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The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER



APRIL 2, 1949

Essential for domestic first-aid—

PROPAMIDINE CREAM—M&B

a safe and highly effective local antiseptic

for **minor cuts** **abrasions**
 burns **insect bites**
 stings etc.

Propamidine is highly active against hæmolytic streptococci, staphylococci and certain other pyogenic organisms.

There is obviously a large potential sale for a product of this type—a tube of Propamidine Cream—M&B should be in every household medicine cabinet.

Make sure of your share of this business by ordering initial stocks through your wholesaler now.

★ ATTRACTIVE SHOWCARDS
SUPPLIED ON REQUEST

★ BONUS TERMS OF 13 TO THE DOZEN AVAILABLE
IN RETURN FOR DISPLAY SERVICES

Supplied in convenient 1 oz. tubes

Retail Price: 1s. 9d. plus Purchase Tax



manufactured by

MAY & BAKER LTD.

distributors: PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD. DAGENHAM

48087

"... the ports of slumber open wide
To many a watchful night!"

II Henry IV, iv, 4.



IN INSOMNIA

'Carbrital'

In 'Carbrital' Capsules the rapid, but relatively brief, hypnotic action of soluble pentobarbitone is combined with the prolonged sedative effect of carbromal. In insomnia 'Carbrital' produces slumber simulating natural undisturbed sleep of adequate depth and duration, and patients awaken refreshed and alert.

'Carbrital' is also indicated as a general sedative in neurasthenia, etc., for pre-operative sedation, and routinely in minor operations.

Each 'Carbrital' Capsule contains $1\frac{1}{2}$ grains of soluble pentobarbitone and 4 grains of carbromal.

Minimum Retail Prices (Including Purchase Tax) :-

Bottles of 10 Capsules: 4/3, 25 Capsules: 7/11 $\frac{1}{2}$



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HOUNSLOW, MIDDLESEX
Tel. : Hounslow 2361 (11 lines) Inc. U.S.A., Liability Ltd.

It's advertised as a Chemists line!

Elasto

REGISTERED The Biochemic Tablet

Sales Aids Free On Request!

ELASTO advertising is widespread and consistent. An ever increasing demand for this product is being created at your very door. Are you taking full advantage of this opportunity for new business created in your area by this vigorous campaign? 'Elasto' sales-aids displayed in your window or on your counter will convert the 'prospect' we have created into a customer for you. And remember repeats and recommendations come freely from initial sales of 'Elasto'

**ONE SHILLING and SIXPENCE PROFIT
ON EVERY SALE!**

RETAIL (Including Tax)

RATA

WHOLESALE (Including Tax)

5/6 per bottle (one month's supply)

48/- per dozen

22/- five bottles (Including one free)

192/- per dozen

PLEASE NOTE. 22/- Pack (One Bottle Free) Again Available

**SHOW Elasto —
IT SELLS ON SIGHT!**

THE NEW ERA TREATMENT CO. LTD., CECIL HOUSE, HOLBORN VIADUCT, LONDON

New Strengths Available

Indicated in heavy type

TESTOSTERONE PROPIONATE

Ampoules 5 mg. 1 cc., 10 mg. 1 cc., 25 mg. 1 cc.
50 mg. 1 cc., 100 mg. in 2 cc.

METHYLTESTOSTERONE

Tablets 5 mg., 10 mg., 25 mg.
for sublingual therapy
50 mg. (scored) for Oral Therapy

ETHISTERONE

Tablets 5 mg., 10 mg., 25 mg.

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Ampoules 2 mg. 1 cc., 5 mg. 1 cc., 10 mg. 1 cc.
25 mg. 1 cc.
Vials 2 mg. 5 cc., 5 mg. 5 cc., 10 mg. 5 cc.
25 mg. 10 cc.

Price List on request



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TELEPHONES : TEMPLE BAR 6785/6/7 0251/2
TELEGRAMS : MENFORMON RAND, LONDON



CROOKES

Lacto-Calamine

What are you going to recommend for sunburn this spring and summer? Crookes Lacto-Calamine Lotion merits your support and may be advocated with complete confidence for most skin conditions requiring a mildly antiseptic, gently stimulating and soothing agent.

Bonus Terms

PARCEL "A"

13 to the dozen on orders for 3 dozen.

PARCEL "B"

14 to the dozen on orders for 6 dozen.

The 4 oz. bottle now retails @ 2/3d. (trade discount 33 1/3%), purchase tax extra.*



PATA

* At the time of going to press it was not known if the purchase tax would be affected by changes in the Budget 1949. As soon as the position is clear full details will be sent to all retail chemists.

THE CROOKES LABORATORIES LIMITED
PARK ROYAL LONDON N.W.10

PILL BOXES**SCARLET**

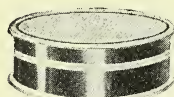
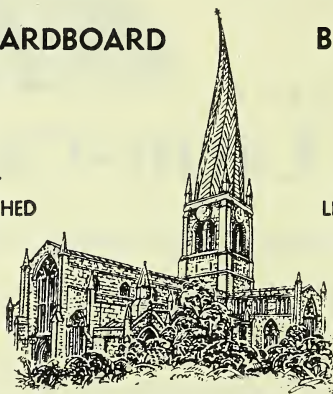
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WHITE

(P.I.)

PURPLE

W.E.(P.I.)

**PURPLE
FLANGED****"LITTLE JOHN" DRUMS****CRYSTALS. POWDERS;
TABLETS****OINTMENT BOXES****CHEPETTE**
GREASEPROOF**SEALITE**
WAX IMPREGNATED**ROBINSONS'
OF CHESTERFIELD****For CARDBOARD****BOXES****FIRST
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1839****STILL
LEADING
1949****FOR OVER A CENTURY****STOCK ROUND BOXES
FOR THE CHEMIST****HAVE BEEN
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INDEX TO ADVERTISERS

Adelphi Manufacturing Co., Ltd.	iv
Anzora Perfumery Co., Ltd.	29
Ava, Ltd.	21
Ayrton, Saunders & Co., Ltd.	10
Barnes, M. H.	Col. Supp.
Beatson, Clark & Co., Ltd.	ii
"Belfast Telegraph"	vii
Bell, John, Hills & Lucas, Ltd.	Leader Page
Bio-Colloids, Ltd.	xxii
British Chemicals & Biologicals, Ltd.	12
British Drug Houses, Ltd., The	9
British Rodent Exterminator Co., Ltd.	xx
Brontan, Ltd.	xxiii
Burgoyne Burdidges & Co., Ltd.	i
Burrough, James, Ltd.	Leader Page
Burroughs Wellcome & Co.	31
Busby, Winter & Co., Ltd.	ix
Bush, W. J., & Co., Ltd.	iii
Camilateo Shampoos	30
Cannon Rubber Manufacturers, Ltd.	xxviii
Carnegie Chemicals (Welwyn), Ltd.	19
Carter, H. W., & Co., Ltd.	16
Ciba Laboratories, Ltd.	32
Continental Laboratories, Ltd.	26
Cox, Arthur H., & Co., Ltd.	Cover iv
Cox, J., & Co., Ltd.	xviii
Crookes, Laboratories, Ltd.	3
Crosskill, C. R., & Sons	xxii
Cupal, Ltd.	xi
Cussons, Sons, & Co., Ltd.	Cover iii
Cyclo Chemicals, Ltd.	8
Dae Health Laboratories, Ltd.	xxx
Dales Aspirin & Tableting Co.	23
Dalmas, A. de St. Co., Ltd.	xii
Daniel, Richard, & Son, Ltd.	13
Davenport, J. T., Ltd.	xxx

Davis, Richard	14
Dearborn (1923), Ltd.	14
Dentomint, Ltd.	26
Dominion Steel Corp., Ltd.	xxii
Dring, J., Ltd.	xix
Drugs of India (Farmers), Ltd.	ii
Dufay Chromex, Ltd.	ix
Duncan, Flockhart & Co., Ltd.	v
Edosan, Ltd.	23
Evans, Gadd & Co., Ltd.	x
Faylene Manufacturing Co.	xxviii
Ferris & Co., Ltd.	23
Freudentheil, Smith & Co.	Leader Page
Fryer & Co. (Nelson), Ltd.	24
Gardiner & Co. (The Scotch House), Ltd.	xxviii
Glaxo Laboratories, Ltd.	28
Gould, N. & M., Ltd.	xxviii
Greyer, Brecheisen & Co., Ltd.	iv
Grovewell, Ltd.	xxx
Hersom, A. G.	ii
Hewlett, C. J., & Son, Ltd.	23
Hirst, Stuart, Ltd.	Leader Page
Howard, Lloyd & Co., Ltd.	xxiv
Imperial Chemical Industries, Ltd.	27
Industrial Tapes, Ltd.	Leader Page
Institute of Optical Science (The)	Col. Supp.
International Chemical Co., Ltd.	xxix
Jackson, G., & Sons, Ltd.	28
Janssen's Herbal Tablets, Dr.	xxv
Jay, A. E., Ltd.	22
Jeffreys, Miller & Co., Ltd.	23
Johns, Son & Watts, Ltd.	xix
Jones & Bailey, Ltd.	xi
Karswood Cat Powders	xix
Lodge, Robin, Ltd.	vi
Lusty's Natural Products Co.	xxiv

(continued overleaf)

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'Neuro Phosphates' ('Eskay') is a 'good tonic' because—

- ★ It presents, in easily assimilable form two valuable reconstructive agents—strychnine and the glycerophosphates.
- ★ It is palatable and pleasant to take.
- ★ It speeds the recovery of the convalescent, and quickly restores energy and cheerfulness in the overworked.



'Neuro Phosphates' ('ESKAY')

Show material available on request.

RETAIL PRICE : 8-oz. bottle
5/4½ each including P.T.

TRADE PRICE : 38/7 per doz.
plus 12/11 P.T.

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For Smith Kline & French International Co., owner of the trade marks.
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INDEX (cont.)

Macdonald & Son, Ltd.	13	Robinson & Sons, Ltd.	vi
Manchester Oil Refinery, Ltd.	iv	Rose, W. R., Ltd.	vi
Marsh, Brooks, Ltd.	xxviii	Sacker's Hygienic Comb Co., Ltd.	xxx
Matthews & Wilson, Ltd.	8	Salter, George, & Co., Ltd.	1
Maw, S., Son & Sons, Ltd.	11	Scruton, Oscar, & Co., Ltd.	xxx
May & Baker, Ltd.	20	Scurr, C. A.	Leader Page
Menley & James, Ltd.	5	Sessions, Wm., Ltd.	xxv
Monsanto Chemicals, Ltd.	18	Sidnick, M., & Co., Ltd.	2
National Association of Opticians	24	Sigal, S., & Co., Ltd.	xxv
New Era Treatment Co., Ltd.	1	Southon Laboratories, Ltd.	x
North British Rubber Co., Ltd.	xiv	Sparklets, Ltd.	xxv
Oakfield & Co.	Leader Page	Splendor, Ltd.	xv
Organon Laboratories, Ltd.	2	Sponcel, Ltd.	xx
Orridge & Co.	Col. Supp.	Stemco, Ltd.	2
Parke, Davis & Co.	Cover ii	Sumner, R., & Co., Ltd.	xx
Parkinsons, Ltd.	22	Surgical Hosiery Co., Ltd.	vi
Pascal Engineering Co., Ltd.	vii	Tampax, Ltd.	xx
Pharmaceutical Specialities (May & Baker), Ltd.	Front Cover	Teasdale Chlorodyne Co.	1
Pharmax, Ltd.	28	Thornton & Ross, Ltd.	xxx
Potter & Clarke, Ltd.	17	Three Crowns Tablet Co.	xxv
Pratt, Sir John, & Co.	xxxii	Tyne Truck & Trolley Co., Ltd.	vi
Prestoband	xxiv	United Chemists Association, Ltd.	xxvi
Promedico Products, Ltd.	xx	Walker, W. & F., Ltd.	xx
Radiol Co., The	22	Walton, T. H., & Co., Ltd.	1
Ransom, Wm., & Sons, Ltd.	xiii	Wander, A., Ltd.	2
Raywarp Textiles	30	Ward, Blenkinsop & Co., Ltd.	xxv
Reckitt & Colman, Ltd.	vi	Wernet Dental Manufacturing Co.	xxv
Reliance Building Co.	xxxii	Wesley, Harold, Ltd.	2
Reliance Rubber Co., Ltd.	vi	Westminster Laboratories, Ltd.	Leader Page
Reliance Trading Co., Ltd.	xxxii	Wilcox, Jozeau & Co., Ltd.	xxx
Rendell, W. J., Ltd.	xvi	Wiseman, J. H., & Co., Ltd.	vi
Reuter, R. J., Co., Ltd.	26	Woodward, G. O., & Co., Ltd.	xx
Revai, A., & Co., Ltd.	ii	Woodford, Lewis, Ltd.	xx
Riddell Products, Ltd.	xxvi	Wrens (Pty.), Ltd.	xx
		Wyllies Cleansers, Ltd.	xx
		Zems Ltd.	xx

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40-oz bottle 2/9 inc. P.T.

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A non-irritating genito urinary antiseptic for B. coli infections.

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For the relief of Dysmenorrhoea. These Tablets combine the anti spasmodic properties of Ephedrine with the sedative action of Phenacetin.

Bottles of 20—2/9d. inc. P.T.

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Liquid, Paste, Powder

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1 ml. and 2 ml. ampoules and 10 ml. vials all containing 50 mg. per ml.

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1 ml. ampoules and 10 ml. vials each containing 25 mg. progesterone per ml.

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SPEED AND CERTAINTY

are necessary where Penicillin and
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ALL SUPPLIES ARE POST-PAID
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G. O. WOODWARD & CO. LTD.

MANUFACTURING CHEMISTS

Manufacturers of

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WE SHALL BE SHOWING A RANGE OF NEW
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OFFERS—AND FINE QUALITY CHEMIST'S
SUNDRIES

DON'T FAIL TO VISIT
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DERBY	-	MIDLAND HOTEL
LINCOLN	-	SARACENS HEAD HOTEL
BELFAST	-	ROYAL AVENUE HOTEL
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*A synthetic substitute
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is of particular value
in cases of Atropine
allergy. Supplies
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Standard packing

1 gm vials	10 gm bottles
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Distributed in the U.K. by
BRITISH CHEMICALS AND BIOLOGICALS LTD. LOUGHBOROUGH
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Nine qualities of rubber sheeting, both white and red, now available on attractive terms.

DISCOUNT OF FIVE PER CENT ALLOWED ON PURCHASES OF TEN YARDS OR MORE OF ANY ONE QUALITY

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No. 127 Spec. White	-	-	-	3/-	yard	R1 Red	-	-	-	-	4/10	yard
W1 White	-	-	-	4/4	yard	R2 Red	-	-	-	-	6/-	yard
W2 White	-	-	-	4/10	yard	R3 Red	-	-	-	-	6/3	yard
W3 White	-	-	-	5/1	yard	R4 Red	-	-	-	-	7/6	yard
W4 White	-	-	-	6/4	yard							
JACONET (also included in discount terms)												
36"	-	-	-	2/8	yard	44"	-	-	-	-	3/1½	yard

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HOPE MILLS, POLLARD STREET, MANCHESTER 4

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for obesity

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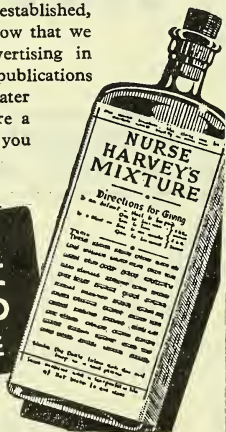
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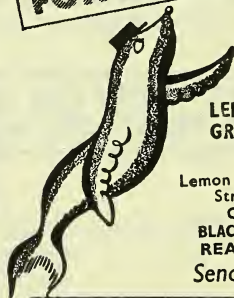
For years there has been a big demand for this old-established, well-known remedy. Now that we have embarked on advertising in National and Women's publications the demand will be greater than ever. Supplies are a little easier so be sure you get your share.

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HARVEY'S
MIXTURE**

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DAVIS
FOR SOFT DRINKS!



**KIK
ORANGE CUI
DAVIS**

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SYRUPS

Lemon • Orange • Raspberry
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OF DAVIS



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R.D.470



The Choice of an Antacid

THE serious disadvantages attending the administration of alkalis in the treatment of the dyspepsias are now well recognised. Recent reports, however, have again confirmed that the use of aluminium hydroxide obviates the secondary rise of acidity and the danger of "alkalosis" which are associated with alkali treatment.

'Alocol' (a specially prepared colloidal aluminium hydroxide) is rapidly replacing alkaline medicaments as a routine in the treatment of peptic ulcer and conditions associated with hyperchlorhydria.

'Alocol' neutralises excess gastric acidity to the most favourable degree without provoking the danger of "alkalosis," thus producing a markedly soothing effect on the gastric mucosa, with the prompt relief of pain and discomfort.

'Alocol' is available in the form of Powder, Tablets or Cream

On the **PATA**

		Retail Price	Trade Price
"Alocol" Powder	100 Gram.	2/9 each	24/9 doz.
	250 Gram.	5/6 "	49/6 "
"Alocol" Tablets	60's	2/6 each	22/6 doz.
	120's	4/6 "	40/6 "
"Alocol" Cream	9oz.	3/9 each	33/9 doz.

Alocol

Colloidal Hydroxide of Aluminium

A. WANDER LTD., Manufacturing Chemists
42 Upper Grosvenor Street, Grosvenor Square, London, W.1

Ribena NEWS



BOTTLES

To avoid increasing prices a new light-weight bottle is being produced. It takes approximately one ton of coal to produce one ton of glass and the new bottle uses this fuel to best advantage. It should reduce breakage in transit and handling and although not quite so tall, contains exactly as much 'Ribena' as before.

CAPS



customer. With larger supplies of the new light-weight bottle from now forward the caps should be increasingly easy to open until eventually we shall be able to use all new bottles and give 100 per cent. perfect closure.

NOTE The changeover to our new factory is not yet complete and during the transfer there may be some delay in delivery. Your needs have not been overlooked, however, and will be attended to as quickly as possible. In case of special shortage, due to Hospital or Clinic demand, please drop us a line to Pharmaceutical Section (12) and we will try to send something forward immediately.

COLOUR and FLAVOUR



The use of the new bottle coincides with the production of 'Ribena' at our new Coleford factory, where the use of refrigerated storage for the juice provides a finished product with a fresher flavour than previously.

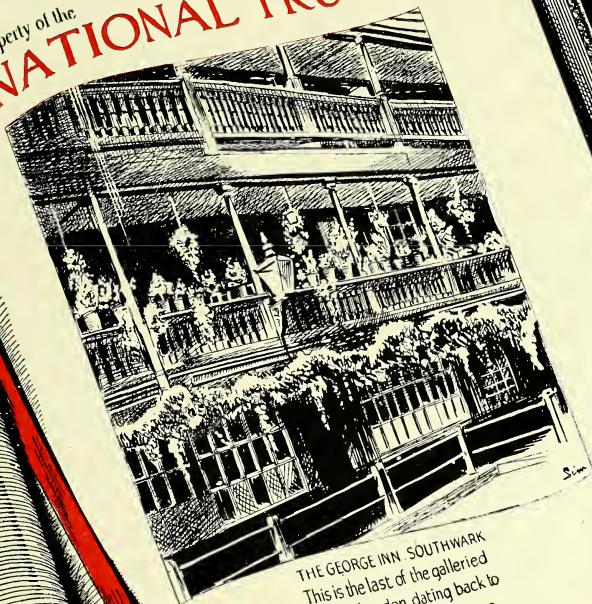
The darkening of the colour which occurred and which we were unable to avoid at our Bristol factories will, we feel, also be cured, retaining the natural and attractive Blackcurrant appearance. Some customers who have become accustomed to the rather heavier flavour of the matured product may prefer it, but the present flavour is actually truer to the Blackcurrant.

The sugar, juice and vitamin 'C' content of 'Ribena' is exactly as before. Every batch is tested for these factors, and the price is still controlled by the Ministry of Food.

In a line so well known and so appreciated as 'Ribena,' any slight change, even though it is for the better, may need explanation. We give you this information, therefore, hoping that it will be really useful to you.

H. W. CARTER & Co. Ltd.
The Royal Forest Factory, Coleford, Glos.
Makers of Ribena Blackcurrant Syrup

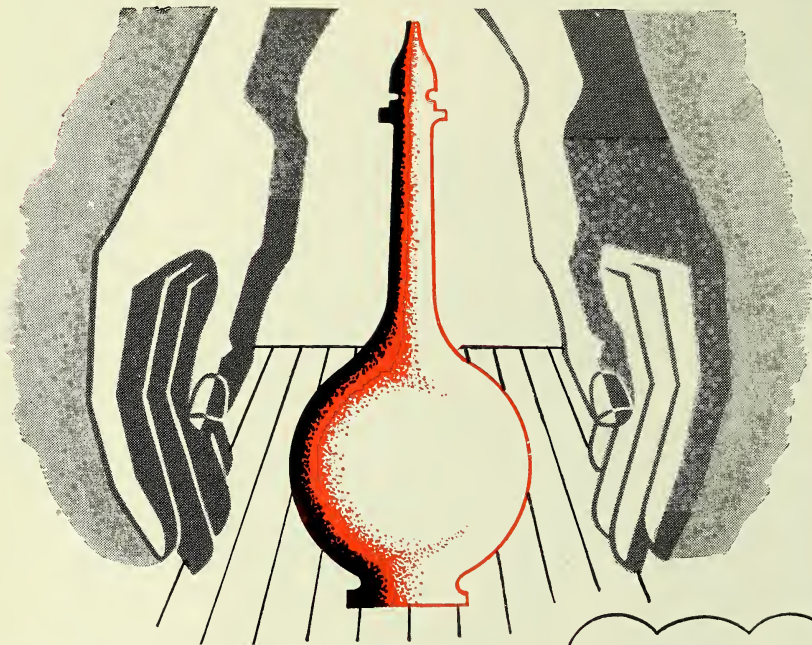
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This is the last of the galleried
inns of London, dating back to
the days of Shakespeare.



Potter & Clarke Ltd.
DRUG MERCHANTS & MANUFACTURING CHEMISTS
London & Manchester

Monsanto**PHARMACEUTICALS***The unseen guardians*

In producing chemicals for the Pharmaceutical industry there are three absolute essentials—quality, uniformity, and purity. At Ruabon, a staff of highly-skilled control chemists watches every stage of manufacture to ensure those fundamentals. The result is that Monsanto pharmaceuticals not only conform to B.P. standards but often surpass those standards by a considerable margin. Another point worthy of note, is that Monsanto themselves, produce most of the raw materials from which those pharmaceuticals are made, thus giving the assurance of control from start to finish right along the line

★ Many Monsanto Pharmaceuticals now being in easier supply, enquiries are welcomed with a view to quick delivery.

Write to Sales Department for Bulletin "Chemicals for the Pharmaceutical Industry"

MONSANTO CHEMICALS LIMITED
VICTORIA STATION HOUSE, LONDON, S.W.1

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ASPIRIN : ASPIRGRAN
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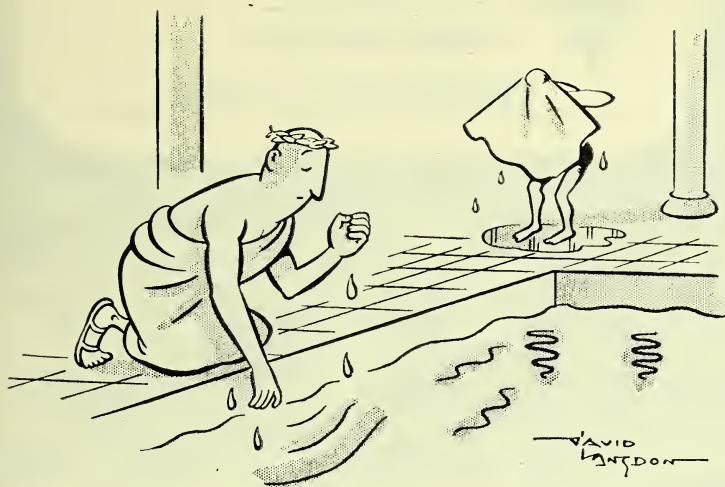
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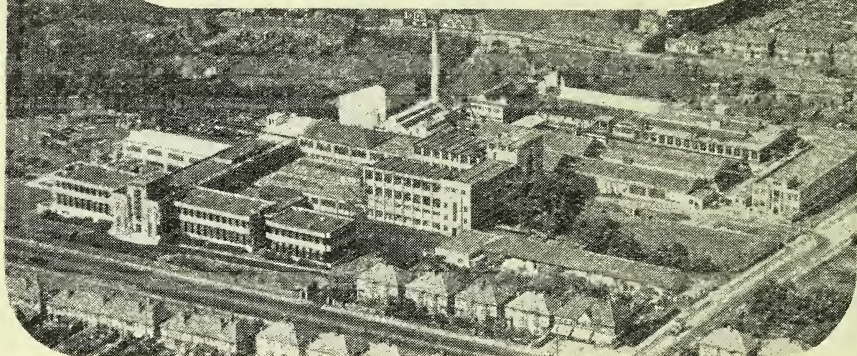




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No. 3606	CONTENTS	Volume CLI
American Drug Store... ..	436	Local News 419
A Pharmacist's Anthology	443	Medical Abstracts 441
Births	423	N.H.S. an "Eye-opener" 431
Business Changes	422	Personalities 423
Chloromycetin Synthesised	442	Petroleum Products in Agriculture 430
Colonial Raw Materials	437	Pharmaceutical Society of Northern Ireland: Council Meeting ... 431
Coming Events... ..	442	Research Laboratory Reopened ... 435
Company News	422	Sex-hormone Packs and Prices ... 429
Correspondence	443	Surgical Dressings Prices 426
Deaths	423	The Week in Parliament 424
Editorial Articles:		Topical Reflections 421
Claims for a New Lease	433	Trade Marks 448
New Hope in Cancer Research ... 434		Trade Notes 428
Plastics in Surgery	434	Trade Report 444
Indian Chemical Manufacturers	440	Transmission of Cancer 439
Irish Drug Association	438	Trusses and their Fitting—2... .. 425
Irish News	420	

NEWS OF THE WEEK

New Scottish Pricing Office.—A new pricing office is to be opened in Rose Street, Edinburgh, on April 4, to deal solely with National Health Service prescriptions from chemists in Edinburgh and the east of Scotland.

Edinburgh B.C.G. Trials.—Edinburgh Health Committee is seeking the permission of the Department of Health for Scotland to make the first large-scale trial in Britain of immunisation against tuberculosis, using B.C.G. vaccine.

Companies Winding-up Rules.—The Lord Chancellor, with the concurrence of the President of the Board of Trade, has issued the Companies (Winding-up) Rules, 1949 (S.I., 1949, No. 330 (L.4)) H.M. Stationery Office, price 3s.).

Third Drug Theft from Pharmacies.—The premises of W. A. Bell, chemist, Park Street, Walsall, were broken into on the night of March 27 and a quantity of Dangerous Drugs was stolen. Similar thefts from Birmingham pharmacies were recorded in the *C. & D.*, March 26, p. 386.

Guild of Public Pharmacists.—The annual branch delegates meeting of the Guild of Public Pharmacists is to be held in Nottingham on May 27 and the annual meeting on May 28. Nominations for the Guild Council and resolutions for the agenda of either meeting should be sent to the secretaries not later than April 30.

Reciprocity of Unemployment Benefit.—Great Britain and Eire have signed an agreement under which, subject to certain conditions, workers who have paid contributions in one of the two countries can draw unemployment benefit, by virtue of these contributions, in the other country. The agreement comes into operation on April 6.

Doctors Want More.—At a special representative meeting of the British Medical Association on March 29 it was decided to press the Minister of Health to add £16,700,000 to the pool from which general practitioners in the National Health Service are paid, to be used to raise the capitation fee from 18s. to £1 15s. for the first 1,000 patients on a doctor's list.

Registered Pharmacists' Union. — At the annual meeting of the Registered Pharmacists' Union in London on March 17 a resolution was passed supporting the Pharmaceutical Society as the professional body for pharmacists and expressing agreement with any provisions aimed at protecting the tradition of professional freedom. The following officers were unanimously re-elected: *President*, Mr. R. G. Collins; *Vice-president*, Mr. G. H. Sheard; *Treasurer*, Dr. D. J. Gibson; *Secretary*, Mr. G. H. Armitage.

Hospital Pharmacists' New Approach. — The staff side of committee C of the Pharmaceutical Whitley Council has decided to inform the management side that it is prepared to reopen negotiations on salaries if a new offer substantially in advance of that rejected in January (see *C. & D.*, January 22, p. 106) is put forward by the management side. If no such offer is forthcoming the staff side will refer its salary claim to arbitration. The decision was taken at a meeting of the staff side held on March 24 and in the light of "recent changes which have been made in the remuneration of certain other professional groups both inside and outside the National Health Service."

A.B.P.I. Annual Meetings. — The manufacturing and wholesale druggists' group (group I) and the pill, tablet, capsule and lozenge manufacturers' group (group II) of the Association of British Pharmaceutical Industry held their annual meetings in London on March 23 and 24. The following officers were elected: — **GROUP I:** *Chairman*, Mr. D. O. Drake (Allen & Hanburys, Ltd.); *Vice-chairman*, Mr. C. E. L. Lucas (The British Drug Houses, Ltd.); **GROUP II:** *Chairman*, Mr. H. Roy Cox (Arthur H. Cox & Co., Ltd.); *Vice-chairman*, Mr. A. M. Bryan (W.B. Cartwright, Ltd.). Tribute was paid to the considerable amount of work done by the retiring chairmen, Messrs. G. S. Woolley (group I) and H. D. R. Matthews (group II), and their committees, in consequence of the changes in manufacturing arrangements made necessary by the introduction of the British Pharmacopœia, 1948, and the National Formulary, 1949. Further progress was reported made on the standardisation of sizes and weights of tablets.

Export Licensing Changes. — Further changes in export licensing control have been made by a Board of Trade Order (S.I., 1949, No. 545) amending the Export

of Goods (Control) (Consolidation) Order 1948. The new Order came into operation on April 1. In Group 12 (1), the following items have been deleted: — Cellulose absorbent; cellulose wadding and articles manufactured wholly or mainly therefrom; cotton absorbent; the following surgical materials: dressings and bandages other than bandages made partly of rubber thread; mesh and other tissues of a width, wholly or mainly of cotton of the kind used for surgical gauze or bandages, but not including tissues made partly of rubber thread; sanitary towels and substitutes therefor. In Group 13 (2), all salts of salicylic acid, except sodium salicylate, have been released from control by amendment to the headnote, paragraph (ii). The following items have been deleted: Acetic anhydride; acetone; benzaldehyde; benzoic acid; benzoyl chloride; benzyl chloride; chloroacetic acid; methylamine; formaldehyde; formic acid; methylamine; oxalic acid.

Executive Councils' Association. — The third meeting of the management committee of the Executive Councils' Association (England) held in London on February 25, it was decided to support representations to the Ministry of Health in connection with a shortage (reported to the Southampton Executive Council) of non-proprietary supplies of B.P. dextrose. Some Southampton chemists were stated to have been able to obtain allocations of only 2 lb. at a time. The committee decided to support an application to the Ministry, made by West Hartlepool Executive Council, that the Clinitest urine outfit should be added to the list of agents permitted to be prescribed. It was stated that the application had the support of the Wakefield Executive Council, the medical advisory committee of the Diabetic Association, and the General Medical Services Committee of the British Medical Association. Support was given to a resolution from Bradford Executive Council that male urinals should be added to the list of appliances that could be prescribed on Form E.C.10. It was noted that the Ministry had rejected a suggestion of Hastings Executive Council that when, under the testing scheme, a chemist obtained a second independent analysis, its cost should be refunded if it were shown that the prescription had been correctly dispensed. The annual meeting of the Association is to be held in Bournemouth, October 20-22.

LOCAL NEWS

Manchester Chemists' Golf. — Manchester Pharmaceutical Golfing Society held their opening meeting of the season at Hazel Grove Golf Club on March 23. In a 4-ball Stableford competition for prizes presented by pharmacist members of the club, the winners were Messrs. H. Oldham and F. Watson (40 points).

Works Visits. — Recent visitors to the works of Glaxo Laboratories, Ltd., Greenford, Middlesex, have included overseas post-graduate students in Britain under the auspices of the British Council, pharmacy students from Birmingham Central Technical College, members of King's College Chemical Society and of the Birmingham University Biochemical Society.

Glamorgan N.H.S. Statistics. — On January 1 there were 720,710 insured persons on doctors' lists in the area of the Glamorgan Executive Council (against 79,220 on January 1, 1948). Prescriptions dispensed from July 5 to December 1, 1948, numbered 1,597,307 (against 53,022 in the corresponding period of 1947), at a total cost of £143,220. 182 chemist contractors, with 219 pharmacies, are providing pharmaceutical service.

Glasgow Prescribing Queries. — Interim payments to Glasgow chemists in January or National Health Service dispensing amounted to £51,405, of which £6,449 was for one company and £1,039 for one proprietor chemist. The Executive Council to communicate with doctors who wrote prescriptions for streptomycin, two priced at £44 and a third at £26. A request from the Maryhill Ward Committee for an all-night dispensing service is to be considered when the scheme for pharmaceutical services is next reviewed.

Grimsby Association Dinner. — At the annual dinner and dance of the Grimsby Pharmacists' Association on March 17, Mr. K. Pridgeon (clerk, Grimsby Executive Council) proposed "The Association." Chemists in the area, he said, had dispensed nearly 40,000 prescriptions in the previous month. He paid tribute to the efficiency of the evening dispensing service provided and to the co-operation that existed between local doctors and pharmacists. Mr. David Brown (president) responded. "The Guests" was proposed by Mr. C. F. Swain, the mayor and Mrs. David Brown replying.

L.C.C.'s Analgesia Service. — At a meeting of the London County Council on March 22, the chairman of the health committee said, in answer to a question, that all but one of the midwives employed by the Council were trained in the use of gas-and-air analgesia. The apparatus was stored at accident ambulance stations and was delivered by accident ambulance within a few minutes of being ordered by a midwife. Steps would be taken to obtain supplies and instruct midwives in the use of a more easily portable apparatus, using trichlorethylene, so soon as it had received the approval of the Central Midwives' Board.

Eastbourne Dinner. — The annual dinner and dance of the Eastbourne Branch of the Pharmaceutical Society was held on March 9 with Mrs. J. K. Irvine, M.B.E., as principal guest. Proposing "The Society," Mr. R. R. Bennett urged that pharmacists, through the Society, should keep pace with scientific developments and the latest medical practices. Mrs. Irvine, replying, suggested rather that pharmacy should lead the way for medicine. Mr. George Checkley (chairman) proposed "Eastbourne." In his reply, the mayor (Councillor Randolph E. Richards) recalled the fleeting visit paid in 1948 by members of the British Pharmaceutical Conference and looked forward to the time when the Conference would meet at Eastbourne.

Bristol Medical Officer's Lecture. — Dr. J. Hutton (deputy medical officer of health for Bristol), addressing the Bristol Branch of the Pharmaceutical Society on March 10, described the activities of the public health services. They included, he said, the detection and control of infectious diseases among the public and at sea and air ports, sanitary services such as the collection and disposal of garbage which might otherwise become dangerous to health, and school health and domestic welfare services. Special schools and treatment were provided for mental defectives, and homeless and otherwise unsettled children must be cared for. Other activities were control over food and drugs, provision of an immunisation service for diphtheria, for smallpox (when necessary), and possibly, in the future, for whooping cough.

Worthing Inaugural Dinner. — The president of the Pharmaceutical Society (Mr. H. Clement Shaw) and Mrs. Shaw, the mayor and mayoress of Worthing, and

about 130 members and friends were present at the inaugural dinner of the Worthing Branch of the Pharmaceutical Society recently. Proposing "The Society," Mr. R. H. Fleming (Branch chairman) appealed for unity amongst pharmacists to facilitate future negotiations under the National Health Service and urged members to take a greater interest in branch activities and in the forthcoming Council election. Responding, the president said that men of character and integrity were still needed on the Council if pharmacy was to retain its place as an honourable profession. It should be the aim of every pharmacist to have an up-to-date dispensary in order to maintain his position in the National Health Service. Mr. Donald W. Hudson (chairman, Brighton and Hove Branch), proposed "The Worthing Branch." He said he knew no town in the country where the standard of pharmaceutical service to the public was higher than that available in Worthing. Mr. H. R. Storm responded. "The Visitors" was proposed by Mr. E. Grimshaw.

A Scot's Impressions. — "A Scottish Pharmacist's Impressions of English Pharmacy" was the title of a talk given to the Dundee and East and Central Scottish Branch of the Pharmaceutical Society on March 22 by Mr. T. Reid (a member of Council and proprietor of a pharmacy in Luton, Beds). Mr. Reid said doctors in England seemed to have larger panels than in Scotland and gave prescriptions where Scottish doctors might often give only advice. English pharmacists had consequently to work at greater pressure. Scottish prescriptions were "individually tailored," while in England stock formulas were widely used. Dispensing was heavy during late-duty opening and Mr. Reid said he invited customers to co-operate by placing their prescriptions in the letter-box to be dispensed early the following morning. Mornings and evenings were the busiest parts of the day, and Mondays and Saturdays the busiest days. Afternoons were used for replenishing stock mixtures. A large proportion of the increase in dispensing since the beginning of the National Health Service was accounted for by prescriptions for women. Dental prescriptions were few and were usually for penicillin preparations. Mr. Reid concluded by giving an account of recent work carried out by the Council of the Pharmaceutical Society.

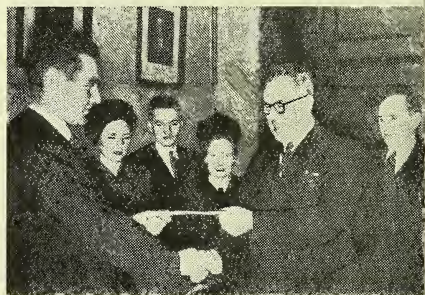
IRISH NEWS

Gaelic Football. — The Dublin College of Pharmacy Gaelic Athletic Association team was beaten by University College Dublin, in the first round of the Dublin senior championship, held in Dublin on March 20.

Tralee Guild of Pharmacy. — Member of the Guild of Pharmacy, Tralee, recently heard Mr. A. R. G. Chamings (Ciba Laboratories, Ltd.) lecture on antihistaminic. Mr. Chamings was accompanied by Mr. F. Mallen (the company's representative in Ireland). The Tralee Guild is holding its annual dance on September 30.

Belfast Lecture. — Dr. G. R. Boye (vice-chairman, Codex Revision Committee and chief medical adviser, Allen & Harbours, Ltd.) lectured to members of the Pharmaceutical Society of Northern Ireland in Belfast on March 23 on "Medicines from Munitions." The president (Mr. Henry H. Cowzer) was in the chair and Dr. Boye was thanked by Professor E. B. C. Mayrs, M.D., and Mr. John McGregor.

Dublin Chemists' Golf. — The Irish Chemists' Golfing Society has elected Mr. Joseph Smyth, M.P.S.I., Donnybrook, Dublin, as *Captain* for 1949. Fixtures so far arranged include Baltray, April 10; Du Laoghaire, May 3; and Newlands, July 12. The annual three-day outing is to be held at Lahinch Golf Club, co. Clare, May 23-25, and the B.D.H. competition (against chemists from Northern Ireland) at the Royal Belfast Club on June 22.



DANCE PROCEEDS FOR BENEVOLENT FUND. — Mr. P. G. Redmond (chairman, Benevolent Fund (Ireland) dance committee) hands over a cheque for £470 to Mr. P. A. Brady (president, Pharmaceutical Society of Ireland) at the March Council meeting. At right is Mr. J. Gleeson (treasurer) and in the background are the Misses C. W. Fuller and Cora Gaffney with Mr. D. Murphy (member of dance committee).

TOPICAL REFLECTIONS

Shop-window Lighting

The relaxation of restrictions on the lighting of shop windows and on other commercial lighting (p. 395) is welcome; the Ministry of Fuel and Power has been well advised to grant this limited freedom. The after-business-hours lighting of windows and external signs by way of advertisement came in so gradually that it is difficult to quote a date or dates for it. I remember, however, during the 'nineties, disapproval being openly expressed of a firm of retail chemists which had a shop (not, I think, any window) lighted for some hours after closing time one evening: this was represented as an unfair form of advertisement, though the explanation given was satisfactory to most people. A comparison of your reports during the early part of the first world war and that of the second shows that infringements of statutory lighting orders in the latter period were less numerous than corresponding cases in 1914-18. Chemists in business had evidently realised more fully the importance of giving no help to enemy raiders. Between August 31 and December 31, 1939, you published illustrated articles containing sufficient information to enable proprietors of businesses to arrange their lighting so as to comply with official requirements. A return to some measure of pre-war brightness will do no harm to business, and may have a tonic effect on passers-by.

Festivity and Farewell

March has been a month of annual dinners and other social functions; your March 26 issue contained (if my count is correct) reports of seven. These events serve a useful purpose in bringing together wholesalers and retailers who do not usually attend scientific or business meetings, thus giving them an opportunity to fraternise at least once a year. Of those mentioned by you on March 26, the most important is the dinner of the North London Pharmaceutical Association (p. 408). In view of the fact that this Association has usually been critical of the policy of the Pharmaceutical Society's Council, the remarks of the Association's president (Mr. Leslie G. Matthews) on education are the more noteworthy. Mr. Matthews called attention to the high standard of pharmaceutical training now

recommended for adoption in the United States, and urged the establishment of pharmacy as a separate faculty in British universities. He also commended the Council of the Pharmaceutical Society for its interest in the history of pharmacy in this country—a subject, I suggest, that has too long been the Cinderella among pharmaceutical studies. The remarks of the president of the Society (Mr. H. Clement Shaw) on the disposal of the Society's unfinished building in Brunswick Square will no doubt be read with an appropriate sentiment of resignation. By a coincidence, the rash venture of a grandiose headquarters was publicly launched by a former president of the Society in the same restaurant in which, almost twenty-five years later, another president publicly announced its obsequies. The scheme has been so consistently opposed, in this section of *THE CHEMIST AND DRUGGIST* and elsewhere, that any recapitulation of facts here would be superfluous. It remains for a new headquarters of appropriate size and position to be found.

Purchase-tax Anomalies

Your "Week in Parliament" feature on March 26 (pp. 394-95) included not less than a column of inquiries in the House of Commons on the incidence of purchase tax. Accustomed though we are to the intricacies of Governmental interpretation, some of us must have experienced a mild surprise on reading that column of questions and answers. Nothing—or hardly anything—like it has been disclosed since the days of the defunct Medicines Stamp Acts. To make a distinction, for the purposes of taxation, between quinine tablets and ammoniated quinine tablets looks like an instance of midsummer madness. The same remark applies to vitamin preparations without and with a combined dose of another substance. But there is no objection in continuing the list. The purpose underlying these parliamentary questions was, I assume, to impress on the Chancellor of the Exchequer the hope that such anomalies will be abolished in the forthcoming Budget by allowing the claim of all genuine medicaments to exemption from purchase tax. That claim has been so fully and so fairly stated in more than one responsible quarter that the Chancellor and his advisers can have little doubt as to the equitable course,

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NEW COMPANIES

GRAHAM CREASEY, LTD. (P.C.).—Capital £1,500. To carry on the business of a drug store at High Street, Billingborough, Sleaford, Lincs. Graham Creasey and Mrs. Margaret R. Creasey, directors.

J. M. DOWTY, LTD. (P.C.).—Capital £500. To carry on the business of chemists, etc. Joseph M. Dowty, M.P.S., Veronica M. Hennessey and Mary F. Bennett, directors. R.O.: Withencroft, Cobden Avenue, Southampton.

WOODGRANGE (SOUTHEND) PHARMACY, LTD. (P.C.).—Capital £2,000. To carry on the business of chemists, druggists, etc. Frank Jordan and Edward M. Jordan, directors. R.O.: 165 Woodgrange Drive, Southend.

LANDLEY, LTD. (P.C.).—Capital £500. To carry on the business of manufacturers of and dealers in chemicals and chemical products, etc. Walter C. Strickland, director. R.O.: 13 Warrior Square, St. Leonards-on-Sea.

AQUILA SYNTHETICS, LTD. (P.C.).—Capital £100. To carry on the business of manufacturing and general chemists, druggists, etc. Eric P. Eagle, director. R.O.: 10 Adam Street, London, W.C.2.

L. J. POINTING & SON, LTD. (P.C.).—Capital £50,000. To acquire the business of colour and chemical merchants and manufacturing chemists carried on by Leonard J. and Marian Pointing at St. Mary's Chare, Hexham, as L. J. Pointing & Son.

Company News

BEECHAM GROUP, LTD.—A third interim dividend of 19 per cent. is being paid on the deferred shares for the year ended March 31, making the total distribution to date 36 per cent. In the previous year the third interim dividend was followed by a final dividend of 4 per cent., making a total of 40 per cent.

P. H. GALLOWAY, LTD.—The dividend for 1948 has been maintained at 15 per cent.

HIRST, BROOKE & SOUTHOON, LTD.—Mr. Geoffrey A. N. Hirst has been elected chairman and will serve as joint managing director with Mr. D. S. W. Southon. The day to day business of the component companies will be managed by their own local boards of directors as hitherto. Hirst, Brooke & Southon, Ltd., which was incorporated as a private company recently (see *C. & D.*, March 12, p. 326), was converted into a public company on March 24.

Bankruptcy. — **LONDON SUNDRIES CO., LTD.**, chemists, etc., 5 Sycamore Street, London, E.C.1. Meetings of creditors and shareholders under the compulsory liquidation of the company were held recently when the Assistant Official Receiver reported that the winding-up order was made on February 7. The company was registered as a private concern on June 7, 1938, with a nominal capital of £10,000, to carry on business as manufacturing, wholesale and retail chemists, dealers in proprietary articles and general merchants. On February 24, 1947, the capital was increased to £50,000, of which £10,000 had been issued. In July 1938 a debenture for £1,000 was created

and was discharged in November of the same year. On October 22, 1938, another debenture was issued covering the company's undertaking, goodwill, etc., and bearing interest at the rate of between 10 and 12 per cent. In November 1948, the debenture holders appointed a receiver who was carrying on the business. No statement of affairs had been filed but approximate figures at the date of the receiver's appointment showed that the assets were valued at about £45,000 and would be insufficient to meet the debenture holders' claims totalling £60,000. The liabilities to unsecured creditors totalled £19,000, of which £5,000 was shown as due to Mr. Teitz (a director) and family, and £14,000 mainly to trade creditors. The assets comprised: Cash at bank and in hand, £153; book debts, £10,000; stock, £25,000; fixtures and fittings, £1,000; motor cars, £1,000; and lease of premises, £8,000. The matter was left in the hands of the Official Receiver as liquidator.

BUSINESS CHANGES

VERNON POWELL, LTD., Croydon, have appointed Mr. D. K. Oliver as their sales representative for the south coast area.

THE BOARD OF TRADE has appointed Mr. J. D. Todd Registrar of Companies and Mr. A. T. Ruby Assistant Registrar of Companies and Assistant Registrar of Business Names.

BARCLAY & SONS, LTD., Barclay House, Farringdon St., London, E.C.4, have appointed Mr. Cyril G. Parmenter sundries buyer. Mr. Thomas Charles, M.P.S., is continuing as buyer of proprietaries, etc.

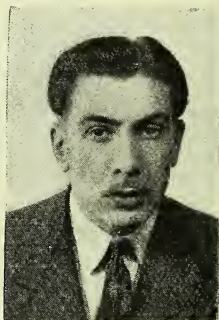
MR. F. C. REEVES, O.B.E., has been appointed retail trade adviser to the Minister of Food.

THE HONG KONG Government Office in London has been transferred to Grand Buildings, Trafalgar Square, London, W.C.2 (Whitehall 1648).

CONFECTIONERS' VEGETABLE COLOURS & FRUIT ESSENCES CO., LTD., have removed to Messina Works, 43A White Post Lane, Hackney Wick, London, E.9. The company's telephone number (Amherst 2274) remains unchanged.

MR. W. J. BUSH, M.P.S. (resident pharmaceutical representative in Sussex for Allen & Hanburys, Ltd.) has removed to The Beeches, 385 Ditchling Road, Brighton.

THE following Regional Controllers of the Board of Trade have been appointed:—Northern Region (headquarters, Newcastle), Mr. K. G. Sillar, M.I.E.E., A.M.Inst.C.E.; London, Sir Quintin Hill, K.C.M.G., O.B.E.; South-western (headquarters, Bristol), Mr. Graham Glennie; Eastern (headquarters, Cambridge), Captain H. K. Oram.



Mr. C. G. Parmenter

BIRTHS

GILBERT.—At Millbrae nursing home, Glasgow, on February 20, Edith Irene (née Hogg), the wife of James H. Gilbert, M.P.S., 60 Bannan Square, Glasgow, S.2, of a son.

DEATHS

ADAMS. — On March 12, Mr. Walter Adams, 3 Woodside Road, Parkstone, Poole, Dorset, aged eighty-nine. Mr. Adams qualified as a chemist and druggist in 1888.

BALDRY.—Recently, Mr. Rowland Edward Baldry, M.P.S., The Corner Shop, Church Street, Harwich, Essex. Mr. Baldry qualified in 1921.

BRISTOW.—In London, on March 24, Colonel Whiston Alfred Bristow, aged seventy. Colonel Bristow was a pioneer in low temperature carbonisation and the extraction of oils and chemicals from coal. He was chairman and/or managing director of a number of fuel and chemical companies, chairman of the Low Temperature Coal Distillers' Association of Great Britain, Ltd., a past-president of the Association of Tar Distillers, and a member of the administrative committee of the National Union of Manufacturers.

DALE. — On March 17, Miss Isobel Marian Dale, M.P.S., 18 Marion Court, Tooting, London, S.W.17. Miss Dale qualified in 1902.

FOOTE.—At Glasgow on March 16, Mr. William Foote, M.P.S., formerly of 182 Ealing Road, Wembley, Middlesex, aged forty-eight.

JONES.—Suddenly, on March 5, Mr. Vincent Hadfield Jones, M.P.S., managing director of Headland, Keene & Co., Ltd., 68 Fulham Road, London, S.W.3, aged sixty-seven.

KNOWLES.—On March 13, Mr. Charles John Knowles, M.P.S., 15 St. Clements Buildings, Lever Street, London, E.C.1, aged seventy-seven.

NESS.—On March 17, Mr. James Fraser Ness, M.P.S., 39 Alexandra Street, Kirkcaldy, Fife. Mr. Ness qualified in 1906.

STOCKDALE. — Recently, Mr. William James Stockdale, M.P.S., 14 Belgrave Terrace, Sowerby, Thirsk, Yorks, aged seventy-eight. Mr. Stockdale was the father of Mr. P. B. Stockdale, M.P.S., 35 Bath Street, Leamington Spa.

PERSONALITIES

LORD TRENT (chairman of Boots Pure Drug Co., Ltd.) has presented Beaufort Beach, Jersey, to the Island.

MR. H. JONES, M.P.S., Abbey Pharmacy, Crowland, Peterborough, has been re-elected to the Holland (Lincs) County Council.

MR. A. GORDON LOCK, M.P.S., is retiring from Grimsby town council, on which he has served since 1945, in order to devote his energies to work on behalf of the National Chamber of Trade and the small trader.

MR. F. HARTLEY, Ph.D., F.R.I.C. (scientific services director of The British Drug Houses, Ltd.), has left Britain for a seven-weeks' business visit to the United States and Canada.

MR. H. NOBLE, B.Pharm., Ph.C., who takes over from Mr. G. A. Mallinson, as from April 1, the secretaryship of the National Pharmaceutical Union, has been on the staff of the Union since 1936, and its deputy secretary since 1946. Apprenticed in 1924 with W. Owen & Son, Ltd., Newcastle-on-Tyne, Mr. Noble remained with the company as an assistant to gain commercial experience.

In 1928 he was Fairchild prizeman (England) and the following year the Jacob Bell Scholar. In 1931 he qualified Ph.C., and graduated B.Pharm. from the School of the Pharmaceutical Society, gaining the Society's bronze medal for the year. After acting as demonstrator in the pharmacy department of the Society's School from 1932-35, and gaining further experience in retail and hospital pharmacy in London and the provinces, he entered the service of the National Pharmaceutical Union in 1936. In 1940 he was appointed assistant secretary of the Chemists' Defence Association and in the same year was called to the Bar (Middle Temple). Mr. Noble has been secretary of the staff sides of the National Joint Industrial Council for Retail Pharmacy and of the Pharmaceutical Whitley Council since their inception.



THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. BAKER WHITE asked the Lord President of the Council (Mr. Herbert Morrison) on March 21 to make a statement on the results of experiments being carried out under his auspices at Cambridge University to produce milk from wheat. MR. MORRISON believed that the question referred to observations recently made in Germany by workers from the Medical Research Council who were based on Cambridge. They had shown that a mixture including soya flour, wheat and other cereals, to which only a small proportion of dried milk was added, promised to be a useful substitute for dried milk.

Tax on Oral Vaccines

MR. F. J. ERROLL asked the Chancellor of the Exchequer on March 22 whether he was aware that, under head IV of the Purchase Tax (No. 5) Order, 1948, vaccines had been exempted from purchase tax so long as they were prepared for use by injection or by application to the scarified skin of the user, but that vaccines were chargeable with purchase tax if intended for oral administration, and whether, in view of the fact that there was a growing body of favourable opinion towards the latter form of therapy, steps could be taken to ensure that vaccines for oral administration were placed in the same tax position as other vaccines.

MR. DOUGLAS JAY (Financial Secretary to the Treasury): The trade organisation most concerned has already been informed that vaccines for oral administration will be considered when the next Treasury Exemptions Order is being prepared.

Brands on Tax-free Drugs

MR. NIALL MACPHERSON asked the Chancellor of the Exchequer on March 22 whether his attention had been called to the fact that, under Notice 78N, issued by the Commissioners of Customs and Excise, it was only permitted in respect of certain medicines and drugs sold in multiple packs for the outer container to bear the brand name or trade mark, and that inner containers must not bear such name or trade mark; what was the reason for that provision, and whether, in view of the special arrangements required, he would consider dispensing with it.

MR. DOUGLAS JAY replied: The scheme explained in the notice enabled branded or

proprietary forms of certain drugs and medicines to be supplied free of purchase tax to pharmacists who required them for dispensing. Except for substances that could be supplied to the public only on a doctor's prescription, the scheme required that the dispensed medicine should not reach the consumer in the branded or proprietary get-up. The provision referred to enabled perishable substances, which had to be dispensed in their original containers, to participate in the scheme, and was an essential part of the scheme.

Burden of Tax on Medicines

MR. A. R. BLACKBURN asked the Chancellor of the Exchequer on March 23 if he was aware of the confusion caused to all concerned in the pharmaceutical industry by the accumulative and restrictive provisions of Part 11 of the Eighth Schedule to the Finance Act, 1948, the Purchase Tax (No. 5) and (No. 6) Orders, 1948, and the Purchase Tax (No. 1) Order, 1949, and what steps he proposed to take to alleviate the position in the near future.

MR. ERNEST JAY: Those provisions are intended to widen the scope of the tax exemptions for medicines, in accordance with the wishes expressed on both sides of the House. When they are fully operative their combined effect will be to exempt from tax most medicines supplied on medical prescription.

Late Dispensing

MR. HUGH N. LINSTADT asked the Minister of Health on March 23 to what conclusion he had come from his investigation of the claims made by a company carrying on chemists' businesses in various parts of the country that a service beyond the hours prescribed by local Executive Councils was being offered in some of their branches as an experiment to obtain data for the Ministry of Health; how far that experiment had, in fact, been sponsored by his Department, and whether he had yet obtained the disclaimer for which he had asked from the company concerned.

MR. ANEURIN BEVAN: The extended service referred to is not being given at my request, and I have been informed by the company in question that a letter from a branch manager implying that it was asked for by my Department was unauthorised and was a mistake.

TRUSSES AND THEIR FITTING

II—Recognising the Hernia

THE General Medical and Pharmaceutical Service Regulations, 1948, under the National Health Service Act, enable general practitioners to prescribe trusses, elastic hosiery and certain other appliances on E.C.10 prescription forms, which patients then present to chemists and others registered with Executive Councils for the supply of appliances. Many pharmacies have done this work in the past, but to others the handling, and especially the fitting, of surgical equipment is quite new. In a short series of articles, the first of which appeared on March 26, instruction and advice are being given on the subject.

What to Look For

To recognise the hernia, the truss fitter looks first—after having instructed the patient to uncover a sufficient portion of the trunk and thighs to permit the lower part of the abdomen to be freely examined—for any obvious protrusion in the inguinal region. This lies about 2 in. above, and parallel with, the crease or fold where the top of the thigh joins the trunk (commonly called the groin). If any lump is showing, then the rest is fairly simple. The patient should be asked to lie on his back, when the swelling will probably disappear, having receded, through the hernial opening, back once more into the abdomen. If the lump does not disappear, a gentle pressure of the finger tips, using a slightly upward movement, generally results in its going back into place. The operation is known as “reducing” the hernia and, with an ordinary inguinal hernia such as is being considered at present, is quite simple.

If, however, the hernia is only very slight and of recent origin it may not be visible, but apparent only upon palpation of the area (i.e., examination with the fingers) and by asking the patient to cough, when the impulse of it will be felt. It is also usual to ask the patient to cough after having reduced the more visible kinds of hernia, while still keeping the fingers on the place. This helps in enabling the internal thrust behind it to be judged and the size of the truss pad, and strength of spring necessary effectively to retain it, to be decided. Keeping at the moment strictly to the examination stage, the steps to be taken if the hernia is one that has

dropped into the scrotum will be considered. Surprisingly, a large scrotal hernia often causes the patient no pain at all, while a quite small inguinal hernia can give considerable pain. That is probably why men often go on for years with quite a large scrotal hernia and do nothing about it, until it has become so large (and every cough or physical effort is liable to make it larger) that it causes other inconveniences such as chafing of the thighs, discomfort when seated, or obvious unsightliness through the clothing. The reduction of a scrotal hernia needs rather more care and skill than is required for an ordinary inguinal, and must always be done with the patient in a prone position.

First the testicles must be carefully located and held gently to one side with one hand while carefully pushing the hernia back with the other. Which hand is occupied with which task depends, of course, upon whether a right or a left hernia is involved. If the hernia is very large (and they quite often assume the size of a large grapefruit or even of something larger) it may be necessary to use both hands to reduce it, gently squeezing, pushing or kneading, according to which method produces the best results (and almost every case demands a different method of manipulation) until the hernia becomes less in size and the final remaining portion can be pushed back through the hernial opening into the abdominal cavity. Care must be taken during the latter part of the operation that the testicles are kept out of the way as before, because it is possible to push a testicle up into the abdomen with the hernia, especially if the hernia is a very large one with a thick neck, indicating that the opening is also large and quite capable of receiving the testicle as well. There need be no fear of this happening if attention is paid to keeping the testicles down in the scrotum, where they belong, while the hernia is pushed back to where it belongs.

Right Degree of Pressure

Another point worth remembering, when reducing a large scrotal hernia, is that it is useful to “guide” it towards the place it should go through, because if too much pressure is applied only from below there is often a tendency for a very large hernia to “well-up” into a semi-solid mound on the surface of the abdomen; blocking the opening so it cannot pass

within. When this occurs the hands should be taken away completely to relieve the pressure, and the solidness allowed to ease a little; it may even be necessary to ask the patient to cough, so as to send the hernia down towards the scrotum again. The reduction is then resumed, this time with one hand placed with light pressure and slightly cupped over the opening, to help the hernia to re-enter rather than to "pile-up" as it is being squeezed back with the other hand from below.

The next type of hernia to be considered is the one which, in the writer's opinion, is the most difficult to fit and control effectively with a truss, namely the femoral, appearing as it does at the top of the thigh. This is an extremely awkward position to reach with a truss while still allowing freedom of movement to the wearer when walking, sitting, etc. A common misbelief that a femoral hernia is something part-way between an inguinal and a scrotal has already been mentioned:

that view is entirely erroneous. It has to be said here, however, that it is sometimes hard to distinguish a small femoral hernia in its early stages from an inguinal. In those cases, it may be found an advantage to use an inguinal pad on the truss, instead of the recognised femoral pad. The writer's rule for recognising the difference between the two hernias is that, if the lump is above Poupart's ligament, it is inguinal, if below it is femoral. No guarantee is given that that is anatomically correct, but as a working rule it is sufficiently accurate for the appliance fitter's purpose.

The reduction of a femoral hernia is carried out in a manner similar to that already described for inguinal, except that, after applying pressure of the fingers, the hernia is found to go back into the top of the thigh and under Poupart's ligament into the abdomen. For that reason it is not possible to follow its course back as clearly as in dealing with a scrotal or inguinal hernia.

SURGICAL DRESSINGS PRICES

THE Surgical Dressings Manufacturers' Association announces that revised prices for surgical dressings are in operation from April 1. Surgical gauze, gauze tissue, muslin bandages, cellulose wadding and cellulose tissue are reduced in price; cotton wool prices are unaltered; most bandages and lint are increased. The new rates are:—

W.O.W. BANDAGES, B.P.C.

Packets of 1 doz., not individually wrapped.				per gross
1 in. x 6 yd. ...	...	...	...	23s. 10d.
1½ in. x 6 yd. ...	...	...	...	35s. 2d.
2 in. x 6 yd. ...	...	...	...	46s. 6d.
2½ in. x 6 yd. ...	...	...	...	57s. 10d.
3 in. x 6 yd. ...	...	...	...	69s. 3d.
4 in. x 6 yd. ...	...	...	...	91s. 10d.
5 in. x 6 yd. ...	...	...	...	114s. 8d.
6 in. x 6 yd. ...	...	...	...	137s. 5d.

Individually wrapped, in printed wrappers.

				per gross
1 in. x 3 yd. ...	...	...	...	16s. 1d.
1½ in. x 4 yd. ...	...	...	...	27s. 3d.
2 in. x 4 yd. ...	...	...	...	35s. 0d.
2½ in. x 4 yd. ...	...	...	...	42s. 7d.
3 in. x 4 yd. ...	...	...	...	50s. 3d.
4 in. x 6 yd. ...	...	...	...	95s. 4d.
6 in. x 6 yd. ...	...	...	...	140s. 10d.

CALICO BANDAGES, BLEACHED, B.P.C.

Packets of 1 doz., not individually wrapped.				per gross
1 in. x 6 yd. ...	...	...	...	31s. 2d.
1½ in. x 6 yd. ...	...	...	...	46s. 1d.
2 in. x 6 yd. ...	...	...	...	61s. 1d.

2½ in. x 6 yd. ...	...	...	...	76s. 1d.
3 in. x 6 yd. ...	...	...	...	91s. 1d.
4 in. x 6 yd. ...	...	...	...	121s. 0d.
5 in. x 6 yd. ...	...	...	...	151s. 1d.
6 in. x 6 yd. ...	...	...	...	181s. 1d.

Individually wrapped, in printed wrappers.

				per gross
2 in. x 4 yd. ...	...	...	...	44s. 9d.
2½ in. x 4 yd. ...	...	...	...	54s. 9d.
3 in. x 4 yd. ...	...	...	...	64s. 10d.

CALICO BANDAGES, UNBLEACHED, B.P.C.

Not individually wrapped.

				per gross
1 in. x 6 yd. ...	...	...	...	28s. 10d.
1½ in. x 6 yd. ...	...	...	...	42s. 6d.
2 in. x 6 yd. ...	...	...	...	56s. 4d.
2½ in. x 6 yd. ...	...	...	...	70s. 2d.
3 in. x 6 yd. ...	...	...	...	84s. 0d.
4 in. x 6 yd. ...	...	...	...	111s. 6d.
5 in. x 6 yd. ...	...	...	...	139s. 3d.
6 in. x 6 yd. ...	...	...	...	166s. 11d.

Individually wrapped, in printed wrappers.

				per gross
2 in. x 4 yd. ...	...	...	...	41s. 7d.
2½ in. x 4 yd. ...	...	...	...	50s. 10d.
3 in. x 4 yd. ...	...	...	...	60s. 1d.

DOMETTE BANDAGES, B.P.C.

Packets of 1 doz., not individually wrapped.

				per doz.
1 in. x 6 yd. ...	...	...	...	5s. 11d.
1½ in. x 6 yd. ...	...	...	...	8s. 10d.
2 in. x 6 yd. ...	...	...	...	11s. 8d.
2½ in. x 6 yd. ...	...	...	...	14s. 7d.
3 in. x 6 yd. ...	...	...	...	17s. 7d.

4 in. x 6 yd.	23s. 4d.
5 in. x 6 yd.	29s. 2d.
6 in. x 6 yd.	35s. 0d.

DOMETTE BANDAGES, B.P.C.

Individually wrapped, in printed wrappers,	per doz.
2½ in. x 6 yd.	15s. 0d.
3 in. x 6 yd.	17s. 11d.

FLANNEL BANDAGES, B.P.C.

Packets of 1 doz., not individually wrapped,	per doz.
1 in. x 6 yd.	11s. 1d.
1½ in. x 6 yd.	16s. 6d.
2 in. x 6 yd.	22s. 0d.
2½ in. x 6 yd.	27s. 6d.
3 in. x 6 yd.	33s. 0d.
4 in. x 6 yd.	44s. 0d.
5 in. x 6 yd.	54s. 11d.
6 in. x 6 yd.	65s. 10d.

Individually wrapped, in printed wrappers,	per doz.
2½ in. x 4 yd.	18s. 9d.
3 in. x 6 yd.	33s. 4d.

MUSLIN BANDAGES, B.P.C.

Packets of 1 doz., not individually wrapped,	per gross
1 in. x 6 yd.	17s. 5d.
1½ in. x 6 yd.	25s. 5d.
2 in. x 6 yd.	33s. 7d.
2½ in. x 6 yd.	41s. 8d.
3 in. x 6 yd.	49s. 9d.
4 in. x 6 yd.	65s. 11d.
5 in. x 6 yd.	82s. 4d.
6 in. x 6 yds.	98s. 7d.

Individually wrapped, in printed wrappers,	per gross
2½ in. x 6 yd.	45s. 1d.
3 in. x 6 yd.	53s. 2d.
4 in. x 6 yd.	69s. 4d.

CREPE BANDAGES, B.P.C.

Individually wrapped, each bandage not less than 5 yd. fully stretched.

	per doz.
2 in.	12s. 10d.
2½ in.	15s. 7d.
3 in.	18s. 6d.
3½ in.	21s. 0d.
4 in.	24s. 1d.
5 in.	30s. 4d.
6 in.	35s. 10d.

FAST-EDGE BANDAGES, BLEACHED.

Not individually wrapped,	per doz.
1 in. x 6 yd.	5s. 4d.
1½ in. x 6 yd.	6s. 11d.
2 in. x 6 yd.	9s. 2d.
2½ in. x 6 yd.	11s. 4d.
3 in. x 6 yd.	13s. 10d.
4 in. x 6 yd.	17s. 11d.

TRIANGULAR BANDAGES, Unbleached, B.P.C.

36-in. sides, 51-in. base.	per gross
Packets of 1 doz.	86s. 2d.
Individually wrapped	91s. 2d.
38-in. sides, 54-in. base.	
Packets of 1 doz.	95s. 4d.

W.O.W. BANDAGES, hospital quality.

Packets of 1 doz., not individually wrapped,	per gross
1 in. x 6 yd.	13s. 2d.
1½ in. x 6 yd.	19s. 0d.
2 in. x 6 yd.	25s. 1d.
2½ in. x 6 yd.	31s. 1d.
3 in. x 6 yd.	37s. 1d.
4 in. x 6 yd.	48s. 11d.
5 in. x 6 yd.	61s. 1d.
6 in. x 6 yd.	73s. 1d.

ABSORBENT COTTON WOOL, B.P.C.

	per lb.	per doz.
16-oz. packet	3s. 4½d.	40s. 6d.
8-oz. packet	3s. 6½d.	21s. 3d.
6-oz. packet	3s. 7½d.	16s. 5d.
4-oz. packet	3s. 9d.	11s. 3d.
3-oz. packet	3s. 10½d.	8s. 8d.
2-oz. packet	4s. 0d.	6s. 0d.
1-oz. packet	4s. 5½d.	3s. 4d.
½-oz. packet	5s. 2½d.	2s. 0d.

ABSORBENT COTTON WOOL, hospital quality.

16-oz. packet	2s. 8d.	32s. 0d.
8-oz. packet	2s. 10d.	17s. 0d.
6-oz. packet	2s. 11½d.	13s. 3d.
4-oz. packet	3s. 0½d.	9s. 2d.
3-oz. packet	3s. 1½d.	7s. 1d.
2-oz. packet	3s. 3½d.	4s. 11d.
1-oz. packet	3s. 9½d.	2s. 10d.
½-oz. packet	4s. 6d.	1s. 8d.

GREY (Unbleached) WOOL.

16-oz. packet (not interleaved)	per lb.	1s. 11d.
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BORIC WOOL, B.P.C.

	per doz.
4-oz. packet	12s. 4d.
2-oz. packet	6s. 8d.
1-oz. packet	3s. 7d.

ABSORBENT LINT, B.P.C.

	per lb.	per doz.
16-oz. packet	6s. 2d.	74s. 0d.
8-oz. packet	6s. 3½d.	37s. 11d.
4-oz. packet	6s. 6½d.	19s. 7d.
2-oz. packet	6s. 9½d.	10s. 2d.
1-oz. packet	7s. 3d.	5s. 5d.
½-oz. packet	7s. 11½d.	3s. 0d.

BORIC ACID LINT, B.P.C.

1-lb. net weight packets	—	78s. 3d.
16 ... 104 x 17/18 in.	—	40s. 1d.
8 ... 52 x 17/18	—	
or 104 x 8½/9 in.	—	20s. 8d.
4 ... 26 x 17/18 in.	—	10s. 9d.
2 ... 13 x 17/18 in.	—	5s. 8d.
1 ... 6½ x 17/18 in.	—	3s. 1d.

BORIC ACID LINT (35/45 per cent.).

16-oz. packet	4s. 8d.	56s. 0d.
8-oz. packet	4s. 9½d.	28s. 11d.
4-oz. packet	5s. 0½d.	15s. 1d.
2-oz. packet	5s. 3½d.	7s. 11d.
1-oz. packet	5s. 9d.	4s. 4d.
½-oz. packet	6s. 5½d.	2s. 5d.

ABSORBENT LINT, hospital quality

16-oz. pkt.	5s. 11d.
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(To be concluded)

TRADE NOTES

New Prices to Consumer.—On another page, J. & J. Colman, Ltd., Carrow Works, Norwich, list new prices for Colman's mustard, operative from April 1.

Points Not Required.—Allen & Hanburys Ltd., Bethnal Green, London, E.2, state that Allenburys' rusks are now supplied free of points. Ample stocks are available.

Now tax free.—Parke, Davis & Co., Staines Road, Hounslow, Middlesex, announce that, as from April 1, Metatone is exempt from purchase tax. The preparation is in bottles of 8, 16 and 80 fl. oz.

Bonus Ends April 30.—Stemco, Ltd., 128 Albert Street, Camden Town, London, N.W.1, issue a reminder that the company's bonus scheme for Flit fly spray ends on April 30; details are given on another page.

Teething Jelly.—C. J. Hewlett & Son, Ltd., 35 Charlotte Road, London, E.C.2, are now accepting orders (for delivery in mid-April) of a new preparation, Hewlett's teething jelly, for the relief of pain during primary dentition.

Novelty Fly-paper.—James Cox & Co., 368 Northolt Road, South Harrow, Middlesex, have introduced a DDT-impregnated "parrot" cut-out, in full colour. Each "parrot" is claimed to be capable of killing ten thousand flies.

Quantity Discounts.—Macdonald & Son, Ltd., Hope Mills, Pollard Street, Manchester, 4, give on another page the prices of the full range of qualities of their rubber sheeting. They allow a discount of 5 per cent. on purchases of 10 yd. or more of any one quality.

Single Distribution Centre.—Burroughs Wellcome & Co., London, announce that, from April 4, their transport department will operate from 183 Euston Road, N.W.1 (Telephone: Euston 4477). All the distribution departments of the company will thus be housed at one address.

Now in Full Supply.—The Radiol Co., 78 Upper Richmond Road, London, S.W.15, state that Radian-B liniment is now available in unrestricted supply. The company's distributor for the Midlands area is John Knox (Stoke-on-Trent), Ltd., Jaynox Works, King Street, Fenton, Stoke-on-Trent.

Change of Distribution.—Fassett & Johnson, Ltd., 86 Clerkenwell Road, Lon-

don, E.C.1, have been appointed sole distributors, from April 1, of the Anzora preparations (Anzora cream and viola, Nuzora hair dressing, Anzora brilliantine, violet and jasmine, and Anzora after-shave lotion).

Bonus Offer Withdrawn.—In consequence of reductions in the retail prices of Dr. Janssen's herbal tablets, the special bonus offer to chemists that has been operative for some time has been withdrawn. An announcement by the manufacturers, Dr. Janssen, Ltd., 52 Baker Street, London, W.1, appears on another page.

Shortage Only Temporary.—Pharmax, Ltd., Organ Works, Old Hill, Chislehurst, Kent, announce that, owing to a breakdown in bottle supplies, deliveries of Diuromil have been restricted for some weeks; steps are being taken to overcome the shortage, and it is expected that dispatch by return will be resumed at an early date.

Sulphonamides Under N.H.S.—Sharp & Dohme, Ltd., West Hill Laboratories, Ltd., Hoddesdon, Herts, point out that Sulfasuxidine and Sulfathalidine may be supplied on N.H.S. prescriptions calling for succinylsulphathiazole tablets and powder and phthalylsulphathiazole respectively. They are at the same prices as the comparable unbranded products as mentioned in the National Formulary.



"TWENTY QUESTIONS" TEAM GIVES ANSWER IN ONE.—Members of the B.B.C. "Twenty Questions" team, photographed at the stand of Macleans, Ltd., at the recent "Daily Mail" Ideal Home exhibition, London, unanimously gave the right answer first time to the question "Did you Maclean your teeth today?"

Product and Pack Improved.—H. W. Carter & Co., Ltd., Royal Forest Factory, Coleford, Glos., have introduced a new lightweight bottle for Ribena blackcurrant syrup and thus avoided increasing the price. Introduction of the new bottle coincides with first production of the syrup at the Coleford factory, where the use of refrigerated storage has enabled the manufacturers to offer a product of better flavour and appearance than previously.

Penicillin and Preparations. — Reductions, operative from April 4, in the prices of amorphous penicillin sodium, crystalline penicillin G, and amorphous penicillin calcium (all packs) are announced by the DISTILLERS CO. (BIOCHEMICALS), LTD. (distributors: Allen & Hanburys, Ltd., Boots Pure Drug Co., Ltd., The British Drug Houses,

Ltd., Burroughs Wellcome & Co., Evans Medical Supplies, Ltd., Imperial Chemical (Pharmaceuticals), Ltd., and Pharmaceutical Specialities (May & Baker), Ltd.) Reductions in the prices of the penicillin oily injections of the Pharmacopœia, and of the 300,000-unit-per-c.c. suspension, where offered, are also notified by the distributors. Reductions in the prices of freeze-dried penicillin sodium, crystalline penicillin G, penicillin calcium, penicillin oily injection, B.P., penicillin oil-wax suspension and procaine penicillin G oily injection are announced by GLAXO LABORATORIES, LTD. THE BRITISH DRUG HOUSES, LTD., have introduced an additional pack of solution-tablets of penicillin, B.D.H., namely bottles of 100 tablets, 10,000 international units per tablet.

SEX-HORMONE PACKS AND PRICES

NEW packings and prices, operative from April 1, are announced by several manufacturers of sex-hormone preparations. THE BRITISH DRUG HOUSES, LTD., Graham Street, City Road, London, N.1, have added to their range ethisterone, B.D.H. (bottles of twenty-five and 100 25-mgm. tablets); methyl testosterone, B.D.H. (bottles of twenty-five and 100 10-mgm., 25-mgm. and 50-mgm. tablets); progesterin (progesterone), B.D.H. (boxes of one, three and twelve 1-mil ampoules each containing 25 mgm. per mil, and 10-mil rubber-capped vials containing 25 mgm. per mil); testosterone propionate, B.D.H. (boxes of one, three and twelve 1-mil or 2-mil ampoules each containing 50 mgm. per mil and 10-mil rubber-capped vials containing 50 mgm. per mil).—CIBA LABORATORIES, LTD., Horsham, Sussex, have introduced Lutocyclin (progesterone, B.P.) in ampoules of 25 mgm. in 1 c.c. (boxes of three, six, twenty-five and fifty); ethisterone, B.P., 25-mgm. Linguets in bottles of twenty-five, 100 and 500; Perandren (testosterone propionate, B.P.), boxes of one, three, six and fifty 1-c.c. ampoules each containing 50 mgm. or 2-c.c. ampoules each containing 100 mgm.; methyl testosterone, B.P., 10-mgm., 25-mgm. and 50-mgm. Linguets in bottles of twenty-five, 100 and 500.—ORGANON LABORATORIES, LTD., Brettenham House, London, W.C.2, have introduced testosterone propionate in ampoules of 50 mgm. in 1 c.c. and 100 mgm. in 2 c.c.; methyl testosterone for sublingual therapy in 10-mgm. and 25-mgm. tablets and in scored 50-mgm. tablets for oral therapy; ethisterone tablets, 25 mgm.; and

progesterone in ampoules containing 25 mgm. in 1 c.c.; and 10-c.c. vials containing 25 mgm. per c.c.—ROUSSEL LABORATORIES, LTD., 95 Great Portland Street, London, W.1, have introduced Lutogyl oral (ethisterone, B.P.) in bottles of ten, twenty-five, 100, 250 or 500 25-mgm. tablets and in bottles of twenty-five, 100, 250 and 500 10-mgm. tablets; Glosso-Sterandryl (methyl testosterone, B.P.) in bottles of ten, twenty, 100 and 250 25-mgm. Glossettes; Sterandryl (injection of testosterone propionate, B.P.) in boxes of two, three, six, ten and fifty ampoules containing 50 mgm. per c.c. or 100 mgm. per 2 c.c. The new strengths of progesterone are intended primarily for the treatment of habitual and threatened abortion, and secondarily to meet a demand for higher doses of progesterone in treating menorrhagia and metropathia hæmorrhagica. The higher concentrations of testosterone are principally for the treatment of eunuchism and inoperable carcinoma of the breast.

Price reductions are announced in the following products: THE BRITISH DRUG HOUSES, LTD.: Ethisterone, B.D.H., tablets and methyl testosterone, B.D.H., tablets. CIBA LABORATORIES, LTD.: Ethisterone, B.P., Linguets, 5 mgm. and 10 mgm.; methyl testosterone, B.P., Linguets, 5 mgm. ORGANON LABORATORIES, LTD.: Progestoral (ethisterone) tablets, 5 mgm. and 10 mgm., and Neo-Hombreol M (methyl testosterone) tablets, 5 mgm. ROUSSEL LABORATORIES, LTD.: Glosso-Sterandryl (methyl testosterone, B.P.), tubes of twenty, bottles of 100 and 500 5-mgm. Glossettes.

PETROLEUM PRODUCTS IN AGRICULTURE

MR. T. SWARBRICK, M.Sc., Ph.D., in an address to the Royal Society of Arts in London recently, outlined the use which is being made of petroleum fractions as pest- and weed-controlling agents. The following is an abstract of his address:—

Increasing knowledge of the chemistry and physiological activity of the numerous compounds contained in petroleum oil now enables biologists to select oils for specific uses and to predict with some degree of certainty their physiological activity when used under specified conditions. The most important recent contribution to the more effective use of petroleum oils in pest control is one made by Chapman and Pearce, Cornell University, U.S.A., who showed that petroleum spray-oils of paraffinic and naphthenic origin contained a narrow fraction of high insecticidal value. That fraction occurred at different boiling points for oils of different origin. If an oil could be prepared consisting mainly of that fraction it need be used at a very low dosage, with consequent saving in oil and increased margin of safety against phytotoxic damage.

Phytotoxic Compounds

Oils known to be strongly phytotoxic have now been taken apart and the offending fraction identified and removed, and a completely non-phytotoxic oil has been produced. The offending materials (about 5-6 per cent. of the total) have been made available for more intensive study. It has been established that certain petroleum hydrocarbons occurring in the boiling range 80-200° C. can be used selectively to kill off the weeds occurring in such crops as carrots and cranberries. Work on the subject started in U.S.A. during the 1939-45 war, when it was found that products such as petrol, stove oil, etc., could be used to kill the weeds that normally occurred in carrot fields. Standardised materials free from taint or odour for use under specified conditions have now been provided, but it must be emphasised that, because a given product works well in Europe or the United States, it is not necessarily equally effective in either dry or wet tropical areas. The development of these new "tailor-made" products for the selective weeding of carrot crops has been notably rapid.

English scientists were first to recognise and develop the use of plant-growth-regu-

lating substances as selective weed killers. Other workers, notably in the U.S.A., have developed combinations of petroleum oil and highly active substances such as 2-4 D, pentachloro-phenol, and dinitro-secondary butyl phenol, for the control of weeds in sugar cane, etc. One of these developments is based on the fact that the activity of certain chemicals can be stepped up—or synergised—by using them in combination with petroleum oils. As a result, "pre-emergence" weeding in sugar beet and other crops is now a practical possibility—fortified petroleum oils being applied as emulsions or concentrates by an atomisation technique. For this technique (applied to insecticides and herbicides), which is an important new development, oils have the advantage over water that they can be atomised with relative ease, and evaporate slowly; when applied to a surface, moreover, the droplets coalesce, thereby covering the sprayed surface with a thin and more-or-less permanent layer of oil. In this way a small amount of oil can be made to cover a large surface area.

The importance of the method is shown by trials carried out recently in Holland using a helicopter to dispense atomised insecticides for the control of pea aphid, rapeseed beetle and Colorado beetle. In one trial fifty hectares of rape were sprayed in four hours, and a complete control of Colorado beetle was obtained from the application of about 25 litres per hectare of a spray that contained 5 per cent. DDT.

Design of Nozzles

The success achieved is due partly to the design of the spray nozzles which was based on fuel-atomising nozzles employed in jet propulsion. In recent work on plant-growth-regulating substances, new uses are being found for well-known materials (such as 2-4 D to prevent runner beans losing water and thus remaining fresh and succulent for longer periods after being picked). New materials are also being discovered that antagonise the action of certain naturally occurring plant hormones, and it may not be long, therefore, before the flowering of such crops as sugar cane and possibly the bolting of cabbage, lettuce, etc., can be prevented by applying chemicals to inhibit the action of the naturally occurring hormone which initiates flowering.

N.H.S. AN "EYE-OPENER"

ADDRESSING a meeting of the Eastbourne Branch of the Pharmaceutical Society on March 22, Mr. W. J. Tristram said that the comprehensiveness of the National Health Service in Great Britain had proved an "eye-opener" to other countries. It was a logical development from National Health Insurance which had, to a limited extent, covered the wage-earner but not his family. The next logical development would be towards preventing such diseases as cancer and rheumatism. Pharmacists should be well pleased with the recognition given them by the Act—a recognition lacking in the draft Bill. Pricing by averaging was, he agreed, undesirable, but seemed unavoidable until the new pricing offices that had been planned came into use. On pharmaceutical man-power there were two schools of thought. One advocated some kind of examination and recognition of pharmaceutical technicians. The opposing school feared that such recognition would lead

to a reduction in the number of pharmacists employed as assistants, with, possibly, an increase in the number of businesses. Moreover, technicians might, in time, demand full status. Asked why dispensing had increased so greatly since the inauguration of the Service, Mr. Tristram said that, before N.H.S., many people had needed but could not afford medical attention; in the early days of the Service there had been a certain amount of abuse. For health centres to offer a twenty-four-hour service would be necessary, he told a questioner, only in isolated cases. In most towns urgent medicines could already be obtained after hours. Health centres should be complementary to existing services. He agreed that termination of the N.J.I.C. agreement was to be regretted, but the National Pharmaceutical Union took the view that the scales represented only a minimum. Terminating the agreement would not, he thought, have any untoward effect on salaries now being paid.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

THE president (Mr. Henry H. Cowzer) was in the chair at the March meeting of the Council of the Pharmaceutical Society of Northern Ireland. Also present were Messrs. P. R. W. Shinner (vice-president), H. F. Moore (treasurer), W. H. Boyd, H. P. Crossin, H. W. Gamble, J. McDowell, J. McGregor, F. R. Moore, J.P., and Walter C. Tate, and Professors E. B. C. Mayrs and James Small, D.Sc., with the secretary, Mr. W. Gorman. Apologies for absence were received from Messrs. C. Abernethy, W. P. Ewart and J. Irwin.

THE PRESIDENT referred to the death of Mr. Samuel McKinney, Cookstown, who, at the time of his death, was the oldest member of the Society; it was decided that a message of sympathy should be sent to the members of his family.

Letters from the Northern Ireland Hospitals Authority and the Ministry of Health and Local Government regarding the appointment of an assistant pharmacist at the Musgrave Emergency Hospital were considered. The secretary was instructed to reply that the Council disapproved of the Hospital Committee's action in accepting applications from persons who, on the last date for receiving applications, did not possess the necessary qualifications. In reply to a letter from the Ministry of Home

Affairs it was agreed to inform the Ministry that much inconvenience to patients and pharmacists would be avoided if the attention of medical practitioners and veterinary surgeons were drawn to the requirements of the Penicillin Act, 1947. It was also suggested that the attention of medical practitioners might be drawn to the requirements of Regulation No. 10 of the Poisons Regulations (S.R. & O. (Northern Ireland), 1946, No. 59).

The president was appointed to represent the Society on the advisory council of the Northern Ireland Hospitals, Nursing and Health Services Exhibition and Conference to be held in Belfast, July 14-20. Correspondence from the secretary of the British Pharmacopœia Commission was referred to the Education Committee. The report of the Education Committee, which included a recommendation for the grant of certificates of apprenticeship to J. P. Burns, J. Byers, T. J. Killick, E. N. O'Hare and J. J. B. McGahan, was adopted. It was decided to hold the next meeting of the Council on April 22.

Savings Effort.—Monsanto Chemicals, Ltd., have more than a thousand members in the National Savings scheme at their Cefn Mawr, East Denbighshire, factory.



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VOL. CLI APRIL 2, 1949 No. 3606

Claims for a New Lease

THE Landlord and Tenant Act, 1927, is so drafted, and has been so interpreted by the Courts, that negotiations between a tenant and his landlord, with a view to the settlement of a claim for a new lease, may be fraught with serious dangers from the tenant's point of view, particularly if the negotiations are protracted. The reason for this unsatisfactory state of affairs is to be found in the various time limits that have been set by the Act for the doing of certain things. And these time limits, according to long standing judicial decisions, may not be extended at all. Indeed, their due observance is one of the statutory conditions for the granting of a new lease. A tenant who is out of time, accordingly, forfeits all his rights, and it is quite immaterial whether his claim, considered in isolation, has any merits.

The time limits are imposed with regard to the service of the notice claiming the new lease, and the commencement of the proceedings in the Courts. Where the tenancy automatically terminates by effluxion of time, the notice of claim must be served at least twelve months before the expiry date of the tenancy, and the proceedings in the Courts must be instituted at least nine months before such date. Where the tenancy has been determined by a notice to quit, the notice of claim must be served within one month from the date of the receipt of the notice to quit, and the proceedings must be instituted within two months of that date.

Now it is not uncommon for a tenant who has served his notice of claim to commence negotiations almost immediately with his landlord with regard to the grant of a new lease. The time soon slips by, but what the tenant must not overlook is that, even though he may still be carrying on negotiations, he must nevertheless commence his proceedings within the appropriate time limit. He should inform his landlord that he is still desirous of negotiating a settlement but that he has commenced his action because of the requirements of the Act. He will thus avoid any misunderstanding with his landlord.

Provision for Temporary Continuance

But now we come to consider another important matter. It was anticipated when the Act was formed that proceedings for a new lease were not likely to terminate until well after the original tenancy had come to an end. Indeed, as experience has shown, proceedings are seldom completed before the end of the tenancy, in cases where the tenancy is one which is determined by a notice to quit, and even in cases where the tenancy is one which automatically expires and where accordingly proceedings have to be commenced at least nine months before the tenancy is due to expire, it very rarely happens that the Court gives its decision by the end of nine months. But the Act has provided that the tenant may apply to the court for an order authorising him to continue possession after the end of his tenancy if the proceedings have not been completed by that time. The position strictly is that at the end of the tenancy the tenant, if he remains on in possession, is a trespasser, and it is in order to prevent him from being a trespasser and so as to legalise his occupation, pending the conclusion of the proceedings, that the provision was made.

A tenant who delays in applying for this relief may be denied it; in which event all sorts of complications may arise. It is no justification to say that the delay has been caused by negotiations, where the negotiations have broken down, and the tenant thereafter has made no move in the matter while his tenancy was running out. Indeed, some tenants may manoeuvre

to prolong their occupation by entering into fruitless negotiations and continuing to sit tight. Such tactics are extremely dangerous. In cases where the tenancy is determined by a notice to quit, the tenant should, invariably, soon after the issue of his summons, apply to the Court to authorise him to continue in possession after the notice has expired until the completion of the proceedings. In other cases such an application ought to be made at least three to four months before the expiry date of the tenancy. Alternatively, if the tenant wants to avoid making any such applications, he should obtain a written undertaking from the landlord that he will not oppose an application that might be later made by the tenant for authority to continue in possession, on the ground of delay, but in the majority of cases landlords will not give any such undertaking.

New Hope in Cancer Research

WORK undertaken recently by Professor Gye and colleagues (see p. 439) bears out hints by the President of the Royal Society (see *C. & D.*, 1948.II.728) and others that "workers may be on the verge of great discoveries" in the field of cancer. The results have pointed to a new means of approach to cancer, based on the suggestion that the transmitting agent is a virus. Had Jensen, Ehrlich, Bashford, and other pioneers of cancer research succeeded in transmitting mouse tumours from dry cancer tissue, the situation in "cancer-thinking," as Professor Gye points out, would now be entirely different. The Imperial Cancer Research Fund workers have established that the easily filterable tumours of chickens should not be considered as a separate class of tumour, and that the failure to observe the parallelism between these and other tumours in the past has been the result of less perfect techniques. Professor Gye and his colleagues have devised new apparatus for drying tissue, and have carried out a more thorough investigation of the effect of low temperatures on the viability of tumour material. Their work showed, surprisingly, that tumour tissue that had been frozen for a considerable time was still capable of transmitting cancer when dried,

although apparently all of the cancer-tissue cells had been killed in the process. It will, of course, be necessary to establish whether the chilling and drying do, in fact, kill every tissue cell. It remains to be ascertained, too, whether the phenomena observed in three types of carcinoma are generally applicable. If they are, an important general principle will be far on the way to being established.

Plastics in Surgery

THE requirements to be satisfied in scientific plastic materials used in surgery are listed by Ingraham and colleagues ("Practitioner," February, p. 152) as follows: They should not be modified by tissue fluid, should be chemically inert, should not cause an inflammatory or foreign body response, should be non-carcinogenic and should be non-epileptogenic when buried in brain tissue. Vinyl resins have been used extensively as a substitute for rubber for endotracheal catheters, intestinal intubation and for intravenous tubing. Cellulose plastics usually sold as cellulose acetate and nitrate with the addition of a plasticiser, etc., are suitable for surgical procedures only when local scarring is required. Plastic materials such as bakelite and certain alginates have not yet received sufficient experimental trial. Nylon is resistant to chemicals and withstands repeated autoclaving, it is stronger than silk, but knots tied with nylon have a tendency to slip. Methylmethacrylate (known as Perspex or Acrylic) in Britain is chemically inert, has almost no water absorption and is non-porous to bacteria. It is used in dentistry, skull surgery and plastic surgery. Its highly polished surface does not coagulate blood and it has been used experimentally to replace portions of the thoracic aorta. Polyethylene does not cause inflammatory or foreign body responses.

Prescription Problem Solution

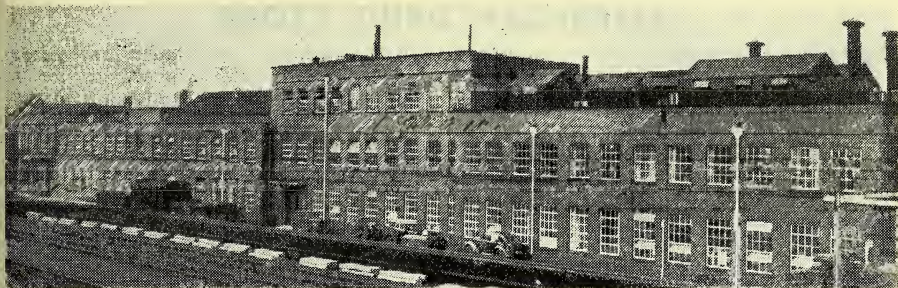
The following is the correct rendering of the prescription reproduced in last week's issue (p. 407).

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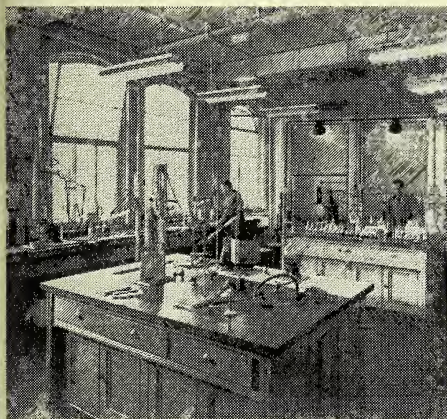
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ʒiii t.i.d. ex. aq.

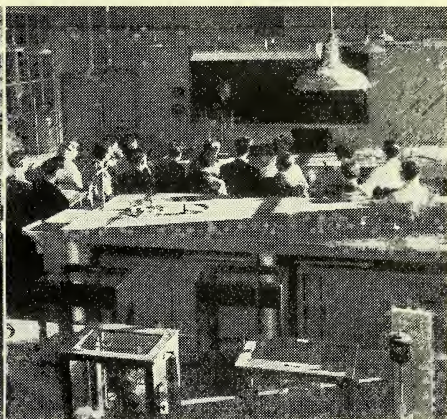


A RESEARCH LABORATORY REOPENS

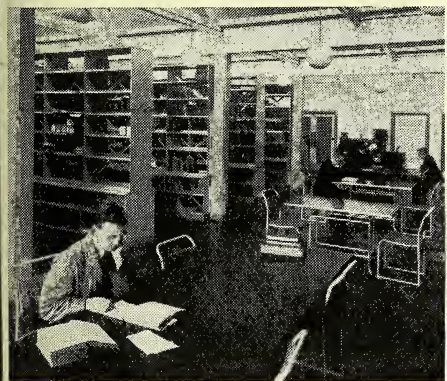
Substantially destroyed by enemy action in 1942, the reconstructed Widnes Laboratory of Imperial Chemical Industries, Ltd., was opened by the Mayor of Widnes recently.



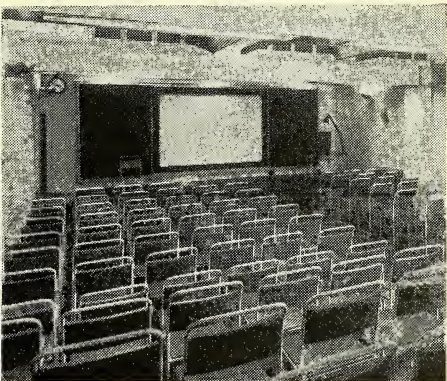
An organic chemical laboratory in the original building established in 1891 by Ferdinand Hurter (chief chemist, United Alkali Co.) is modernised.



Laboratory assistants in the research laboratories receive nine months' full-time training in laboratory techniques before starting productive work.



The scientific library contains over 10,000 volumes.



A film-projection room accommodates 120 persons.

AMERICAN DRUG STORE

THE American drug store is probably familiar to most British pharmacists in some of its most publicised aspects as portrayed on the screen and in the Press, but an attempt will here be made to draw a distinction between drug-stores of three types: The chain, the private (sub-groups ethical and commercial), and the departmental.

Chain Stores

Chain drug-stores are probably the most numerous and correspond most nearly to the accepted picture of a drug-store in the minds of pharmacists in this country. One chain store is much like another. The dominant feature is the soda-fountain-cum-lunch-counter, usually occupying one-third to one-half the floor space of the store. At any time of day, from 8 a.m. to midnight in New York, a customer may order a light meal and watch it being electrically cooked for him. Ice-cream sodas, milk-shakes and Coca-Colas are "dispensed" all day. The pharmacist relies on the soda fountain to bring a constant stream of customers into the shop; more often than not they make other purchases. In the large towns many Americans breakfast away from home, so that a drug-store may be crowded even between 7.30 and 9 a.m.

Second in importance to the soda fountain is usually the tobacco counter—strategically placed between lunch-counter and door. Few men seem to pass it without buying a packet of cigarettes (twenty for about a shilling), or a cigar (from 3d. to 1s. 3d.). Even the candy counter, with its displays of chocolate, packets and bars of all kinds of "candy," not to mention the ubiquitous chewing-gum, appears to take precedence over the prescription department. At the toilet counter, displays are usually most attractive. Often a "perfume bar" is there to tempt customers to sample various makes of perfume. Assistants at this counter often receive training until they acquire an expert knowledge of the numerous types of cosmetics handled. In chain stores of the type described, pharmacy is a quite minor item.

"Ethical" Pharmacies

Private businesses are of two kinds, the first resembling the chain store, though often smaller. The second, somewhat similar to the chemist's shop of Britain, is known on the North American continent

as the "ethical" or "pure" drug-store. As a rule, the ethical pharmacy has no lunch-counter, and the emphasis is on prescription work. Prominently displayed in the front of the shop may be a large refrigerator, advertising to all and sundry that biological products are stocked. One of the oldest businesses of this type is that of Leon Lascoff, Lexington Avenue, New York. The tall Gothic-type windows of this pharmacy display only the traditional carbons, plus a few ethical proprietaries and high-class perfumes inconspicuously placed. Inside, high around the walls, is a small balcony, behind which is a library of over one thousand books. Also displayed are mediaeval herb jars and fifteenth-century pestles and mortars. Prescriptions dispensed at Lascoff's average seven thousand a month. The one-and-a-half millionth prescription (in fifty years) was dispensed some time ago. In New York are other pharmacies almost equally pleasing, and the professional type of business is on the increase. In 1938 there were only four hundred today there are more than a thousand.

Department-store Pharmacies

The third type of drug business, the departmental store, is much like the pharmaceutical sections of the large stores in London, though perhaps rather more elaborate. Macy's, New York, claims both to be the largest store and to include the largest drug-store in the world. The claim is made also by other firms, and it is a little difficult to assess its accuracy, but certainly the space occupied by the range of goods normal to pharmacy in Britain is, by British standards, enormous. In addition, about dozen pharmacists are occupied entirely with dispensing work. Similar, if smaller drug sections are to be found in most of the departmental stores, in which they are often one of the busiest departments.

There are practical differences from British pharmacy in the internal working of a pharmaceutical department in the United States. Prescriptions are not copied into a prescription book. Each is retained by the pharmacist and filed under its own number. Should the patient require a copy it is given, provided the nature of the prescription allows. All labels are typed. Included in the information on the label are the doctor's name, the patient's name, the directions and the number. Dispensing balances are often designed to weigh on the

opposite side from British practice (i.e., weights are placed on the right-side pan).

A greater margin of error is allowed in dispensing pharmacopoeial preparations than in the B.P.—sometimes more than 10 per cent. It must be remembered, too, that the American pint contains only sixteen fluid ounces, while Winchesters always contain a gallon (128 fl. oz.). It is difficult to get used to these tall, clumsy bottles, after the 80 fl. oz. Winchesters familiar in Britain.

About 75 per cent. of prescriptions dispensed are for proprietary medicines. Approximately 10 per cent. of prescriptions are for vitamins, the dose of which (e.g., 500 mgm. ascorbic acid by mouth and 200 mgm. vitamin E) is larger than is perhaps customary in this country.

Similarly, the dose of penicillin tends also to be much larger. The ointment contains from 1,000 to 10,000 international units; oral tablets from 50,000 to 250,000; ozenges, 5,000; and vaginal suppositories, 100,000. Far less importance is attached to the dispensing of penicillin in the United States than in Britain. No equivalent

exists of the Therapeutic Substances Act, and no particular care appears to be taken in preparing solutions for parenteral use. The average price per prescription in New York is about 7s. 3d., though prices charged tend to vary because there is no generally accepted standard. Prescriptions are never coded with the price. A "fair trade" law nominally governs the prices for proprietary medicines, but yet there is much price cutting. Many shops continue to display the sign "Cut-price Store," though officially it is no longer legal. Some proprietors even advertise cut prices on their prescription labels. The underlying cause of all this price cutting is the high proportion of drug-stores to population (about one to every 2,270, against one to every 3,265 people in Britain).

Before bringing this description to a close reference should be made to "Pharmacy Week." In that week, held once a year, the attention of the public throughout the forty-eight States is called to the drug-store. Numerous radio broadcasts, news stories and publicity stunts are linked with the local drug store.—E. G. M.

COLONIAL RAW MATERIALS

OME indication of how teamwork between botanists, chemists and agricultural scientists, sociologists and economic advisers is promoting and extending agriculture and industry in virgin or undeveloped areas in the colonies is given in the second report of the Colonial Primary Products Committee published on March 24 (H.M. Stationery Office, price one shilling). The report deals with a variety of raw materials including vegetable oils and oilseeds, starch and essential oils. It shows, commodity by commodity, what the world and sterling area demands are, and are likely to be, and whether colonial production of certain commodities should be expanded or discouraged.

How the dislocation of the war years has been overcome and progress made towards pre-war export figures is shown in the following examples (oil or oil equivalent in thousands of tons):—Groundnuts (from Nigeria, Gambia, Tanganyika, Uganda and Nyasaland): 1934-38 average, 123; 1947, 130; 1948, 143. Sesame seed (Nigeria, Tanganyika, Gambia): 1934-38, 10; 1947, 3; 1948, 7. Copra (Malaya, Pacific Islands, Zanzibar, Ceylon and Seychelles): 1934-38, 126; 1947, 58; 1948 (incomplete), 55. Coconut oil (Malaya, Tanganyika, Trinidad,

Fiji, Zanzibar: 1934-38, 39; 1947, 54; 1948 (incomplete), 58. Palm oil (Nigeria, Malaya, Sierra Leone): 1934-38, 190; 1947, 163; 1948, 192.

Maintenance of post-war recovery depends largely on maintenance of exports of consumer goods sent from Britain to raise the standard of living in the colonies.

Co-operation in growing, distilling and research, and unified selling, are needed, the report says, to ensure sound grading and efficient sale. Several oil-producing plants now grown mainly outside the Empire should be produced in the colonies, for example:—Cajuput (now from Java and Peru) in Malaya, where it grows wild. Cananga and ylang-ylang (now from Java and Madagascar) in Zanzibar, Seychelles, Fiji, and Mauritius, possibly as a wind-break. Cedarwood oil (largely from U.S.A.) to an increased extent from saw-mill waste in Kenya. Citrus oils (now mainly from U.S.A.) in British Honduras; quality of present production in Trinidad and Jamaica improved. Eucalyptus (mainly from Australia) in Seychelles and St. Helena. Juniper (now mainly from Czechoslovakia) in East Africa and Jamaica. Spearmint (now mainly from the United States) in Kenya, Cyprus and Tanganyika.

IRISH DRUG ASSOCIATION

Annual Meeting in Dublin

MR. JOHN J. ROCHE (president) was in the chair at the annual meeting of the Irish Drug Association held in Dublin on March 22. The following outgoing members of the committee were unanimously re-elected: Messrs. T. C. Scott, J. Gleeson, J. J. Roche, G. A. McLean Lee, J. Smith, P. A. Brady, and W. Hanley. Messrs. P. A. Brady, G. A. McLean Lee, and P. F. McGrath were elected *Trustees* and Miss Anne McNamara *Auditor*.

Profit Margins Increased

THE PRESIDENT said it was only through the vigilance of the Association, acting for 95 per cent. of the chemists in business in the country, that the distribution of nearly all medicinal products was now confined to chemists; the list of confined items was continually growing. As in other businesses, overhead charges had grown enormously, and on articles selling at fixed advertised prices the increased charges could not easily be passed on to the public. The Association had therefore conducted a vigorous campaign among manufacturers who were not allowing a reasonable margin of profit. Many products that formerly showed 20 per cent. and 25 per cent. were now up to 33½ per cent.—a rate which the Association regarded as the minimum acceptable on any advertised article.

A demand for increased wages had been received from the Irish Union of Distributive Workers and Clerks, and agreement had been reached in May 1948 on the scales at present in operation. The Association had no agreement on wages for apprentices; every indenture should stipulate the conditions of apprenticeship including fee (if any), salary scale, hours, annual holidays, etc. It would then not be necessary for apprentices to join a trade union in order to seek protection against the possible imposition of unsatisfactory conditions. There was an agreement with the Union whereby only one apprentice should be allowed to each full-time pharmaceutical chemist, and whereby apprentices would not be engaged until they had passed the entrance examination. Mr. Roche appealed to members to honour the agreement rigidly.

The committee had examined possible ways of compensating for the amount paid out in extra salaries, but had decided that

increased dispensing fees or other professional charges were not desirable. The extra salary costs must be absorbed in the chemist's general trading costs.

A joint committee consisting of officers of the Wholesale Drug Federation of Ireland and of the Association had been established to manage the approved list and the joint committee had decided not to confine sales of toilet preparations strictly to chemists and druggists. It was believed that, as a result of a slightly wider distribution policy, many manufacturers might prove willing to restrict their lines to chemists and stores. It was ridiculous, said Mr. Roche, to expect chemists with experience at their present level to handle goods with a profit margin of less than 20 per cent.

Membership Still Increasing

The expenses of the Association had risen considerably, but Mr. Roche thought everyone would agree that subscriptions represented money well spent: the enhanced reputation of the Association had brought excellent results to retail Membership was still increasing, and practically every retailer in the country was in the organisation. The president appealed to all members to keep their prescriptions up-to-date, and to price and code every prescription correctly, so as to leave office staff free to deal with larger issues. The committee had maintained liaison with members, and the secretary had visited practically all centres. Machinery existed whereby, at a moment's notice, the immediate co-operation of the whole trade could be obtained.

MR. P. A. BRADY (president of the Pharmaceutical Society of Ireland), moving the adoption of the report, said he understood apprentices were being forced to join the union; members would like some guidance from the Association on the matter. THE PRESIDENT said it was true that a drive was being conducted to make apprentices members of the union. The Association's recommendation to employers was to have all apprentices legally indentured.

MR. T. C. SCOTT (treasurer) said there was a surplus up to December 31, 1948 of £164 (against a loss of £172 for the previous year). Paid-up members totalled (against 841 for 1946 and 871 for 1947) 1,000. Correspondence was actually sent out well over 950 members each fortnight.

There was always a "float" of members. The committee thought it undesirable to work with so narrow a financial margin and recommended that the annual subscription should be increased from £3 3s. to £4 4s. Even at that figure the Association would remain one of the cheapest bodies of its kind, giving the best service of any trade organisation in Ireland. For their subscriptions members had, in the previous year, received an annual price list and been sent 2,000 price changes, with a fortnightly report summarising matters of importance in the trade. A drug information bureau was available to members during office hours. Twenty-five committee meetings, several subcommittee meetings, and joint committee meetings with the wholesalers on the approved lists, had been held. Total expenditure was 3,523 (against £2,024 for 1947, an increase of £1,499). Income totalled 3,688 (against £1,852, an increase of 1,836). On the motion of Mr. J. A. 'Rourke, seconded by Mr. J. Gleeson, the treasurer's report was adopted. After discussion the president said the general

view of the meeting seemed to be that the proposed increase was not excessive, and a recommendation to this effect would be sent out later by the committee.

Mr. M. J. Ryan spoke of the difficulty presented to retailers by the greatly increased range of colours in lipsticks. He would like to have representations made to the manufacturers to limit the range. The President said the matter would be noted.

Several members spoke in support of Mr. Mulreany who asked the committee to use its influence to see that, so far as possible, Irish pharmaceutical chemists were appointed to represent firms dealing with retail chemists. When Mr. G. Klein asked what action could be taken against chemists who did not observe the closing hours laid down by the Association, the President outlined the procedure of the Committee in such cases. During 1948 only three complaints of non-observance of closing hours had reached the committee and the general tendency now was to restrict, rather than to extend, hours of opening.

TRANSMISSION OF CANCER

Professor Gye (director, Imperial Cancer Research Fund) and colleagues ("British Medical Journal," March 26, p. 511) have shown that mammalian cancer is probably transmitted by a virus. Discussing, at a lecture to the Royal College of Surgeons on March 22, the research work that led to the conclusion, Dr. Gye said that the workers have been able to transmit rous sarcoma in mice from completely dry tumour tissue—an accomplishment numerous workers during the past fourteen years have been striving to achieve. Much of the success of the technique was due to the use of a new apparatus designed by one of the workers for drying small amounts of tissue. In the course of the work the team re-examined the effect of low temperatures on the viability of cancers, originally investigated by Ehrlich in 1907, and came to the conclusion that malignant cells are readily killed by extreme cold (-79°C), but that the dead malignant cells were capable of starting a new tumour by virtue of the intrinsic virus they contained. Exposure to a low temperature for long as a year did not affect the capacity of tumour tissue to start tumours again when injected into appropriate animals. Moreover the tumour tissues so kept were

often more active than the fresh tissue in producing new tumours. A more positive indication that the cause of the new cancer-activity was a virus was desired, however, and the attempt to propagate mouse tumours from completely dried cancer tissue, using the new apparatus, was therefore undertaken.

Using tissue of tumours induced in mice by injecting methylcholanthrene it proved possible to produce an active dried material only by first subjecting the tissue to a temperature of -79°C for five to eight weeks. Even then the material was not regularly active. The much more malignant R₃ and C₃H sporadic tumours, however, yielded active dry material without prior refrigeration.

The workers offer no explanation of what happens when the tissue is refrigerated, but suggest that at low temperatures an inhibiting protein may be denatured, thus liberating the virus, and making it available even after drying. In support of the suggestion they point out that the presence of an inhibiting substance may be demonstrated in the filterable tumours of chickens. A problem for future work is to determine whether the viruses are of intrinsic or extrinsic origin.

INDIAN CHEMICAL MANUFACTURERS

THE ninth annual meeting of the Indian Chemical Manufacturers' Association, held recently in Calcutta, was inaugurated by Dr. S. P. Mookerjee (Minister for Industry and Supply, Government of India). Mr. B. MAITRA, in his presidential address, urged the Government to give more attention to the chemical and pharmaceutical industries in India. Surveying the rapid development of chemical industries in other parts of the world, Mr. Maitra regretted that progress in India had been comparatively slow. He hoped that the mineral resources of the Damodar Valley and Hirakud would be fully utilised. There were certain fields of manufacture in which Government help was required and which might not be productive for some years to come; postponement of such schemes was not in the national interest. He emphasised the need to establish on a large scale a coal-tar distillation plant, and plants for the production of barium salts, lithopone, fermentation chemicals from alcohol, and laboratory chemicals. Mr. Maitra criticised the railway administration for increasing freight charges on essential raw materials, and on the finished products of the chemical industries.

Import Duty Criticised

Several resolutions were passed by the meeting. One protested against the Government's decision to place all drugs and medicaments on open general import licence and urged the Government to give full facilities for importing chemicals used as raw materials, but to regulate the import of chemicals for direct consumption. Chemical and pharmaceutical equipment, plant, machinery and apparatus should, it was urged, be included in the open general licence category. A second resolution recommended that centrally administered pools should be established forthwith for distributing to the industry scarce materials like caustic soda and soda ash. A third resolution welcomed the Government's policy of increasing production and developing exports, but pointed out that, under existing conditions, the chemical industry had not received sufficient incentive to increase its exports. The Government was urged to fix targets for exports of Indian chemicals, drugs, etc., even for those made from imported raw materials; the resolution also pointed out difficulties in exporting chemicals and drugs to Pakistan. A fourth resolution ex-

pressed disapproval of the Government's previous policy of selecting personnel for deputations sent abroad (particularly in connection with the establishment of new items of chemical and pharmaceutical manufacture) without consulting the established chemical industry through its representative organisation.

DR. S. P. MOOKERJEE, after paying tribute to the founder of the Association (the late Sir P. C. Ray), said fertiliser plant at Sindri would be at the pilot production stage by the beginning of 1950, and plan for establishing subsidiary industries at Sindri had already been made. A factor for the manufacture of synthetic oil on small scale was shortly to be set up experimentally. The Government also had a scheme for establishing a dyestuffs industry. There was no reason why, under suitable conditions, it should not be possible for India to have the advantage of foreign experts and foreign concerns to establish industries in India that would be to the ultimate benefit of the country. The Government would insist that, within stated period, full facilities should be given for Indians to be trained on lines not open to them today. If, after a few months, the present import policy were found to be harmful the Government would consider revising it. Nothing would be done which would injure any section of the Indian chemical industry.

RECENT RESEARCH

Sterilisation of Exchange Resins.—Cruckshank and Braithwaite ("Industrial and Engineering Chemistry," March, 1947, 472) find that cation exchange resins of the sulphonated phenol-formaldehyde type can be sterilised by exposing the material to the action of a 0.25 per cent. formaldehyde solution for three hours. All of the formaldehyde can be removed during a subsequent regeneration process.

Use of Reflecting Microscope.—Using a Burch reflecting microscope (see C. D., 1947, I.683) Barer and others ("Nature," February 5, p. 198) have examined the infra-red spectra of a number of substances available in only limited amounts, including "biolin," a crystalline body obtained from *Penicillium Bialowiezense*, the anti-pernicious anaemia factor, gramicidin and biological cells. The weight of substance used in the work was usually between 10^{-7} and 10^{-8} gm.

MEDICAL ABSTRACTS

Results With Thiouracil.—Effects of treating with thiouracil 111 patients suffering from thyrotoxicosis were analysed according to age groups by Robertson ("Lancet," 1948.II.675). Of those aged under twenty-one years ten out of sixteen (62 per cent.) were improved; of those aged twenty-one to forty-five years twenty-nine out of seventy-three (40 per cent.) were improved; and of those aged over forty-five years (all with nodular goitre) eleven out of twenty-two (50 per cent.) were improved. Contra-indications are listed as signs of pressure on the airway, toxic nodular goitre, a retrolaryngeal upper pole of the thyroid gland, pronounced exophthalmos, predominance of heart symptoms, depression due to thyrotoxicosis, absence of blood-testing facilities, etc.

Anthisan in Acute Nephritis.—Because a tendency for acute nephritis to occur at an interval of a week or two after an acute bacterial infection suggested that the disease might be in the nature of an allergic response to a bacterial toxin, Craig, Clark and Chalmers ("British Medical Journal," January 1, p. 6) decided to test the value of treatment with an antihistamine drug, Anthisan (mepyramine maleate) was used in the treatment of eight successive cases admitted to the Royal Aberdeen Hospital for Sick Children, and the course of the cases compared with that of the nine consecutive cases seen immediately previously. Dosage with Anthisan (usually 0.1 gm. three times a day) was found notably to shorten the duration of activity of the disease as assessed by abnormal findings in the patients' urine.

Toxicity of an Anti-epileptic.—Caution in the use of methylphenylethyl hydantoin (Mesantoin) is urged by Ruskin ("Journal of the American Medical Association," 1948.II.1031) following fatal skin and blood changes in a case of *grand mal* treated with the drug. The patient, a girl of ten, received 0.3 gm. daily for twelve days, at which point rashes appeared. Her condition deteriorated until, within nine days, she had lost the superficial layer of the skin of two-thirds of the body, with pronounced leucocytosis. Life ended with an outpouring into the blood stream of juvenile forms of the neutrophilic cell. The author concludes that all patients treated with the compound should receive blood examinations before and during treatment.

The drug should be administered in small initial doses and the increments should be small. The patients should be cautioned to watch for ill-effects, and to discontinue the treatment and inform the doctor if they appear.

Compounds for Curarisation.—Full clinical trials are to be undertaken, under the sponsorship of the Medical Research Council, of two compounds, C10 and C5, in which Organe and others ("Lancet," January 1, p. 21) find high promise in the field in which *D*-tubocurarine chloride and tetraethylammonium iodide are employed. The probable usefulness of the compounds (in full, bistrimethylammonium decane and pentane diiodides respectively) was suggested by earlier animal experiments. Both compounds exhibit a high potency and an absence (so far as present knowledge goes) of undesirable side-effects. C10, injected in small doses into a cat or other animal, causes a neuromuscular block that spares the respiratory muscles; it is not antagonised by the anticholinesterases. If needed, an antidote is available in C5, which is virtually devoid of curarising activity.

Control of Streptomycin Nausea.—Antihistamine drugs were used by Bignall and Crofton ("British Medical Journal," January 1, p. 13) in the treatment of nausea and vomiting experienced by patients undergoing prolonged treatment with streptomycin. Symptoms were abolished or considerably reduced in three slight and four severe cases when Benadryl capsules (usually 50 mgm. eight-hourly) were given. Substitution of capsules identical in appearance but containing lactose or phenobarbitone resulted in a return of the symptoms, ruling out suggestion or the slight sedative action of Benadryl as the cause of the response. In one severe case in which Benadryl had almost eliminated the symptoms, substitution with phenobarbitone resulted in a recurrence of vomiting. Subsequent administration of capsules of Antistin, 100 mgm., caused a cessation of vomiting after the first dose. Antistin (as tablets) was continued for ten days and then withdrawn. No symptoms reappeared despite continuation of streptomycin treatment for a total of thirty-two weeks. Giddiness caused by streptomycin was not relieved by the antihistamine drugs used in the trials.

COMING EVENTS

Saturday, April 2

MERSEYSIDE BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, Bridge Inn, Port Sunlight, at 7.30 p.m. Liaison committee dinner.

Monday, April 4

WEST KENT BRANCH, PHARMACEUTICAL SOCIETY, Central Library Hall, Beckenham, at 8 p.m. Mr. T. Heseltine (member of Council) on "N.H.S. and its Effects on Pharmacists."

Tuesday, April 5

NORTH LONDON PHARMACEUTICAL ASSOCIATION, Beale's Restaurant, Holloway Road, London, N.7, at 7.30 p.m. Annual meeting and film show.

SLOUGH BRANCH, PHARMACEUTICAL SOCIETY, Community Centre, Slough, at 7.30 p.m. Annual meeting.

Wednesday, April 6

BRITISH PHARMACEUTICAL STUDENTS' ASSOCIATION, Royal Technical College, Glasgow, at 6 p.m. Opening of annual conference (conference continues until Sunday, April 10).

EASTBOURNE BRANCH, PHARMACEUTICAL SOCIETY, Gas Company's Demonstration Theatre, Eastbourne, at 7.30 p.m. Dr. C. H. Hampshire (secretary, Pharmacopœia Commission) on "The British Pharmacopœia, 1948."

INSTITUTE OF OPTICAL SCIENCE, Holborn Restaurant, London, W.C.1, at 7 p.m. Annual dinner.

MANCHESTER PHARMACEUTICAL ASSOCIATION, JUNIOR BRANCH, Visit to Thomas Kerfoot & Co., Ltd., Bardsley Vale.

Thursday, April 7

DURHAM COUNTY BRANCH, PHARMACEUTICAL SOCIETY, Pattinson's Dunelm Hotel, Old Elvet, Durham, at 7.30 p.m. Mr. G. H. M. Graham (chairman, National Pharmaceutical Union) on "The First Nine Months of the National Health Service."

HARROGATE BRANCH, PHARMACEUTICAL SOCIETY, Fuller's Café, Harrogate, at 7.30 p.m. Mr. H. H. Featherstone, A.R.P.S., on "Colour Photography" (illustrated); members' friends and assistants invited.

HENDON AND EDWARE BRANCH, PHARMACEUTICAL SOCIETY, Hendon Hall Hotel, 7.30 p.m.-midnight. Annual dance.

HUDDERSFIELD CHEMISTS' ASSOCIATION, Park House Hotel, Kirkgate, Huddersfield, at 7.30 p.m. Annual meeting.

HULL CHEMISTS' ASSOCIATION, Visit to T. J. Smith and Nephew, Ltd., Hull, meeting at company's general office in Neptune Street, at 2.30 p.m. Party limited to thirty; applications to Mr. J. J. Small (Telephone: Hull 19761).

KING'S LYNN BRANCH, NATIONAL PHARMACEUTICAL UNION, Duke's Head Hotel, King's Lynn, at 7.45 p.m. Annual meeting; speaker, Mr. J. B. Coulson.

LONDON AND SOUTH-EASTERN COUNTIES SECTION, ROYAL INSTITUTE OF CHEMISTRY, Public Library, Lecture Hall, Luton, at 7.30 p.m. Dr. E. Lester Smith on "Recent Developments in Biochemical Research."

WOLVERHAMPTON BRANCH, PHARMACEUTICAL SOCIETY, Victoria Hotel, Wolverhampton, 6.30 for 7 p.m. Annual dinner and dance (tickets 21s. each).

Friday, April 8

BIRKENHEAD AND WIRRAL PHARMACISTS' ASSOCIATION, Central Hotel, Birkenhead, at 7.45 p.m. Mr. H. Dale (Boots, Ltd.) on "Recent Advances

in Medicine, with Special Reference to Allergic Drugs."

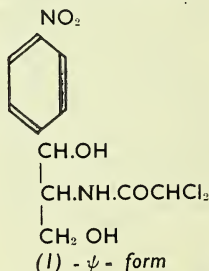
HULL CHEMISTS' ASSOCIATION and PHARMACEUTICAL SOCIETY BRANCH, Central Chambers, 52 Ferensway, Hull, at 7.30 p.m. Annual meeting.

BIRKENHEAD AND WIRRAL PHARMACISTS' ASSOCIATION is holding a carnival dance at Hulme Hall, Port Sunlight, on Friday, April 22, 7.30 p.m.-1 a.m. (tickets 10s. each).

CHLOROMYCETIN SYNTHESISED

WORKERS at the research department Parke, Davis & Co., U.S.A., announced America on March 29 that chloramphenicol (Chloromycetin)—an antibiotic of particular use orally against certain virus and bacterial infections not affected by penicillin and streptomycin—has been synthesised and is in production on a commercial scale.

Chemically, the compound is (1)- ψ -paranitrophenyl-2-dichloro acetamido propane-1-3 diol, and has the structure shown in the formula below.



The first worker to synthesise the compound (original isolated from cultures of *Streptomyces venezuelae* was Dr. Mildred Rebstock, but the commercial method was elaborated by Drs. L. M. Loomis and H. Troutman). Unusual features about the molecule

include the presence of an NO_2 group—a group that had previously been considered harmful to animal life—while the compound is a derivative of dichloroacetic acid, a substance never before found as a natural product.

A copy of the structural formula was handed to Professor Sir Alexander Fleming by representatives of Parke, Davis & Co., Hounslow, Middlesex, at a ceremony at the Wright Fleming Institute of Microbiology, St. Mary's Hospital, London, on March 30. Supplies of the drug are to be manufactured in Britain and should be available within a few months.

Tifis Jaborandi.—The Tifis Pharmaceutical-Chemical Institute is engaged upon a series of experiments upon the applications of pilocarpine and the volatile oil from the leaves of the jaborandi shrub (*Pilocarpus microphyllus*).

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Discrimination?

SIR,—A multiple store window display in this neighbourhood features the free distribution of "cod-liver oil" compound with large posters emphasising the words "cod-liver oil." Only the packed bottles of white flint glass standing boldly in the sunshine have the word "compound" on the label. I know that this product is issued free, but how does the Government avoid action for false trade description? Any manufacturer or retailer advertising a substitute as the pure product would get short shrift from the law.

King's Lynn. F. C. BENTLEY.

A Plan for Late Dispensing

SIR,—In view of the adverse publicity recently given about chemists' service after closing hours, we feel that the maximum amount of cover, with minimum effort, is given by the scheme of the Harrow National Pharmaceutical Union branch. The local police station is contacted and given several names and telephone numbers of pharmacists who are willing, if available, to dispense urgent prescriptions after hours, and the police are asked to bear in mind the address of the patient when contacting the chemist so that the first chemist to be approached is the one nearest to the patient. The scheme seems to work admirably and up to the present has not been abused.

Harrow. R. W. SHOOBRIDGE, *Secretary*.

Delays in Delivery

SIR,—With the advent of the National Health Service and the consequent increase in the number of ethical pharmaceuticals ordered by doctors, is it too much to ask manufacturers of these articles to provide an efficient "post-return" service? Since July 1948 we have had the following delays to explain away to patients:—

Inject. procain. et penicillin, seven weeks.

Vitamin tonic for child, two weeks.

Proprietary tablet, one week.

In the first instance the patient had actually recovered from his boils by the application of kaolin poultice, and we were left with an article costing nearly 50s. unpaid and uncredited. We find it quicker to order most articles from London wholesale houses which do put themselves out to give a real post-return service, but it takes at least a week for most manufac-

turers to supply. The difficulty arises when the wholesaler does not list an article and we are compelled to go to the maker. We are now carrying an extra stock of at least £200 in ethical pharmaceuticals, and we presume other pharmacists are similarly placed. With the ever-changing fancy with which, it would appear, many medical men are afflicted, the loss on articles ordered that arrive too late—the script having to be returned at the patient's request—may prove heavy. A great deal of the loss could be avoided by an efficient service from the manufacturers. We think they would agree with us if they had the job of explaining delays to patients, as we cannot plead war-time shortages now.

Bilston, Staffs. TREVOR SHELLEY.

Prospects in Scotland

SIR,—I wonder when Scottish chemists will wake up! Is it not more than time we bestirred ourselves and asked "What of the future?" The multiples and "co-ops" are fast encroaching on the territory of the private pharmacist. Notwithstanding this, the young pharmacist of today has the ball at his foot if he will only stand firm. Private chemists who could do with a young qualified to help them often cannot afford to give the high wages and easy conditions offered by the multiples. Nevertheless, I am convinced that a young man who remains with the private chemist will not be the loser in the long run.

SCOTTISH CHEMIST.

A PHARMACIST'S ANTHOLOGY

CHAUCEER: 1949 MODEL

A practisour there was with penne in fyste,
He had four thousand pacions on his lyste
And doctored them right spedely; to toch
He gave two minutes, cutting short their speche,
Writing them scripts in Latin most impure.
He had a verray pretty signature
Which none coude rede, but noone ever tried.
He had a motor carre in which to ryde
And eke a bagge to hold his stock-in-trade
—Divers certificates of every shade—
These he dispensed with a lavish grace,
Writing the details in the appropriate place.
With these and him his pacions were content,
He had no neede for any instrument.
He took no trouble, but he gave none
So he stood high with high-ups everyone,
Small wonder all came floccynge to his door
He was a parfit general practisour.

A *Peripatetic Correspondent* in the "Lancet."

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2, Mar. 30

THE home-trade call for PHARMACEUTICAL CHEMICALS continues on a moderate scale. Prices are unchanged on the week. PENICILLIN manufacturers announce that their prices are to be reduced from April 4—the fourth reduction since penicillin became freely available in June 1946. Penicillin G, crystalline, will be 110s. for ten one-mega vials, compared with 160s. at present; the freeze-dried sodium salt will be 72s. 6d., for the same quantity, against the current price of 80s. Calcium penicillin will be reduced from 9s. to 7s. 6d. per one-mega vial. Trade discounts to wholesale distributors are to remain unchanged. Prices of CAFFEINE and THEOBROMINE are to be lower on April 1. The rates for the former alkaloid will be cut by 1s. per lb., and those for theobromine alkaloid by 2s. per lb. The salts and preparations will be reduced in price by smaller amounts.

Crude Drugs

Business in CRUDE DRUGS has been rather slow during the past week. A moderate trade has been passing in Sumatra BENZOIN. Export inquiry for GENTIAN has been brisk, and a fair business has been done at 60s. per cwt.; the spot market, 62s. 6d. per cwt. is now asked. ERGOT continues very firm with supplies on the spot low; forward prices have risen from 5s. 9d. to 6s. per lb., c.i.f. There is a good inquiry for STROPHANTHUS *Kombé* of which there are only small supplies offering on the the London market. At origin, Brazilian MENTHOL remains firm, with prices as high as 45s. per lb., c.i.f. The spot demand for menthol is heavy and there has been an increase during the past week in the export call; it is understood that a number of export licences have been granted. The markets for SPICES have been very active during the past week. Offers of Mombasa or Zanzibar CHILLIES are not being made; stocks of Mombasa on the spot were cleared from the market at 130s. per cwt. Prices of African and Jamaican GINGER continued to rise during the week. PEPPER is a firmer market. There are no spot offers yet of CARDAMOMS; with prices in India continuing at a high level there is little inducement to importers to bring in supplies.

Inquiry for ESSENTIAL OILS has been on a small scale. EUCALYPTUS remains a weak market. This oil was removed from the Essential Oil Control's distribution scheme in January 1948. In 1947 large quantities were distributed through the scheme which have not yet been passed to consumers. The requirements of the home trade have

been declining for some time, probably because eucalyptus oil is being replaced by other medicaments. Recently, however there has been an increase in the volume of inquiry from the Continent for the oil.

U.S. Drug and Chemical Report New York, March 25

THE PHARMACEUTICAL and FINE CHEMICALS markets were featureless last week though conditions were generally reported as firm. Following the reductions in PENICILLIN, the demand for this product and also for STREPTOMYCIN, is described as brisk and a substantial export inquiry for both European and Far Eastern accounts is reported. There is also some foreign demand for BROMIDES. Sales of MERCURIAL SALTS are reported at prices much below makers' rates and further supplies of imported products are expected to arrive shortly—at still lower prices. Activity in the MENTHOL market is very limited but it is held that any increase in demand would immediately bring about a rise in prices because of the much tighter conditions at the primary centre in Brazil. It is estimated that this year's production will be much lower and it is thought that the next consuming season will see a substantially higher level of prices. COCOA BUTTER was reduced by one cent per lb. during the week. Reports that India was considering imposing export licensing regulations on PEPPER to control supply resulted in an exceedingly sharp increase in quotations for the product on the New York market. GINGER advanced sharply on the withdrawal of offerings from abroad and following reports that this year's crop would be considerably smaller, the quotation for African produce advanced 6 cents per lb. to 32-33 cents. Buying of CRUDE DRUGS continues on a hand-to-mouth basis but prices showed a slightly firmer tendency last week. A gradual switch-over to No. 1 CARNAUBA WAX by usual consumers of OURICURI WAX is reported as a result of the lower price of the former. A recent detention of imported VANILLA BEANS has served to make prospective purchasers more cautious. Light trading was again reported on the ESSENTIAL OILS market last week; prices were mostly downward though a 25 cents per lb. increase in Italian BERGAMOT prices (up to \$4.50 per lb. on the outside) counterbalanced the trend to some extent.

Pharmaceutical Chemicals

BENZYL BENZOATE.—B.P. is quoted from 4s. 6d. to 5s. per lb., according to quantity.

CAFFEINE.—Makers' prices per lb. from April 1 are:—ALKALOID, anhydrous, 1-cwt. lots, 34s. 6d.; 7-lb. lots, 37s. 6d. Alkaloid,

B.P., 1-cwt., 32s. 6d.; 7-lb., 35s. 6d.
CITRATE, 1-cwt., 19s. 6d.; 7-lb., 22s. 6d.
SODIUM BENZOATE, 1-cwt., 22s.; 7-lb., 25s.
SODIUM IODIDE, 1-cwt., 25s. 6d.; 7-lb.,
28s. 6d. SODIUM SALICYLATE, 1-cwt.,
22s. 9d.; 7-lb., 25s. 9d.

CHLORAMINE.—B.P. grade is from 2s. 5d. to 2s. 9d. per lb. and 98 per cent. technical at 2s. 2½d. to 2s. 5d. per lb., according to quantity.

CITRIC ACID, B.P.—Steady. Makers quote 1s. 5½d. per lb., less 5 per cent. for 1-cwt. lots, delivered in the U.K.

DIGITOXIN.—Current quotations are in the region of 110s. per gm.

EPHEDRINE.—Makers' rates per oz. are as follows:—ALKALOID: 1 oz., 11s. 9d.; 16 oz., 11s. 6d.; 25 oz., 11s. 3d.; 50 oz., 11s.; 100 oz., 10s. 9d. HYDROCHLORIDE and SULPHATE: 1 oz., 8s. 3d.; 16 oz., 8s.; 25 oz., 7s. 9d.; 50 oz., 7s. 6d.; 100 oz., 7s. 3d. Assorted contracts may be booked for quantities of not less than 100 oz. over six months. Containers: 50 oz. or more, free. 50-oz. lots carriage paid.

ETHYLMORPHINE.—Home trade prices per oz.: ALKALOID, ½ oz., 57s. 6½.; 1 oz., 55s.; 2 oz., 53s. 6d.; 3 oz., 52s. 9d.; 4 oz., 52s. 6d. HYDROCHLORIDE, ½ oz., 49s.; 1 oz., 46s. 6d.; 2 oz., 45s.; 3 oz., 44s. 3d.; 4 oz., 44s. Prices are unchanged.

GLYCEROPHOSPHATES.—Makers' list prices per lb. are as follows: CALCIUM SOLUBLE, 10s. 6d.; IRON SCALE, 11s. 9d.; ACID, 20 per cent. (B.P.C.), 8s. 3d.; MAGNESIUM (INSOLUBLE), 10s.; MAGNESIUM (SOLUBLE), 19s. 3d.; MANGANESE, 24s. 3d.; POTASSIUM, 50 per cent., 5s. 11d.; 75 per cent., 7s. 9d.; SODIUM, 10s. 9d.; 50 per cent., 4s. 7d.; 75 per cent., 5s. 8d. Quantities of 7 lb., 6d. per lb. less than above rates; other quantities in proportion.

GUAIACOLS.—Liquid is offered at prices from 14s. 6d. to 16s. per lb., and crystal and carbonate, 14s. to 15s., according to quantity.

HEXAMINE.—B.P. is quoted at from 1s. 8d. to 2s. per lb., as to quantity.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gm. in brackets): ALKALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d. 16 oz., 87s. 6d. (4s.). HYDROCHLORIDE, HYDROBROMIDE and SULPHATE.—1 oz., 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.).

HYPOPHOSPHITES.—Makers' rates per lb. for 7-lb. lots are: AMMONIUM, 9s. 3d.; BARIUM, 6s. 3d.; CALCIUM, 4s. 11d.; IRON, 9s. 4d.; MAGNESIUM, 7s. 9d.; MANGANESE, 8s. 5d.; POTASSIUM, 6s. 1d.; SODIUM, 5s. 7d.

ICHTHAMMOL.—Prices are from 3s. 8d. to 4s. 6d. per lb., according to quantity.

IODIDES.—Prices (per lb.) of minor iodides are as follows: AMMONIUM, B.P.C., 1 lb., 15s. 9d., smalls, 16s. 3d.; ARSENIC (triiodide), 28s., 6d.; CADMIUM, B.P.C.,

22s.; CALCIUM, B.P.C., 19s.; ETHYL, 28s.; IRON, B.P.C., 14s.; LEAD, B.P.C., powder, 18s.; LITHIUM, B.P.C., 20s. 3d.; STRONTIUM, B.P.C., 18s. 6d.; ZINC, B.P.C., 19s. 3d.; MERCURIC, B.P., 7 lb., 14s. 3d., smalls, 14s. 9d.; MERCUROS, B.P.C., green or yellow, 7 lb., 18s. 6d.; smalls, 19s.

PANCREATIN.—Prices range from 12s. to 13s. per lb. for B.P. quality; U.S.P. standard is offered at from 13s. 6d. to 14s. 3d.

PARALDEHYDE.—Rates for B.P. material are as follows: 5 carboys, 1s. 5d. per lb.; 1 carboy, 1s. 6d.; 24 winchesters, 1s. 7½d.; 17, 1s. 8½d.; 6, 1s. 10d.; 3, 1s. 11d. per lb.

PHENOLPHTHALEIN.—Steady. Makers' prices are: 1-cwt. lots, 6s. 10d.; 28-lb., 7s.; 14-lb., 7s. 3d. per lb.

PILOCARPINE.—Makers' prices are unchanged. Rates per oz. are: ALKALOID.—1 oz., 36s. 9d.; 4 oz., 35s. 3d.; 25 oz., 34s. HYDROCHLORIDE.—1 oz., 34s. 9d.; 4 oz., 33s. 3d.; 25 oz., 32s. NITRATE.—1 oz., 33s. 3d.; 4 oz., 31s. 9d.; 25 oz., 30s. 6d.

POTASSIUM ACETATE, B.P.—Fine granular is 2s. 1½d. per lb. in 1-cwt. lots.

POTASSIUM PERMANGANATE.—Makers' rates are as follows: B.P. (in 1-cwt. drums) 1 cwt. and over, 1s. 8½d. per lb.; 3 cwt. and over, 1s. 8d. TECHNICAL (in 1-cwt. drums) 1 cwt. and over, 166s. 3d. per cwt.; 3 cwt. and over, 161s. 9d.; 5 cwt. and over, 159s. 3d.; 1 ton and over, 156s. 9d.; 4 tons and over, 154s. 3d. TECHNICAL (in 5-cwt. drums) 5 cwt. and over, 156s. 9d. per cwt.; 1 ton and over, 154s. 3d.; 4 tons and over, 152s. Terms, net, carriage paid to nearest station (or port of departure for Northern Ireland), containers extra and returnable.

SODIUM SALICYLATE.—Steady. Makers' price for 1 cwt. is 2s. 7d. per lb.; resellers' rates per lb. (containers in brackets) in the home market as follows: 28-lb. and under 1 cwt., 3s. 4d. (1-lb.), 3s. 3d. (2-lb.); 3s. 2½d. (4-lb.); 3s. 1½d. (7-lb.); 3s. 1d. (14-lb.); 3s. (28-lb.). Net one month.

SULPHANILAMIDE.—Steady. Prices are as follows: 5 cwt., 6s. 3d.; 1 cwt., 6s. 6d.; 28 lb., 6s. 10d.; 14 lb., 7s.; 7 lb., 7s. 9d. per lb., net; packing extra.

SULPHONAL.—Quoted from 44s. to 53s. per lb. as to quantity.

TEREBENE.—Quotations from makers for pharmaceutical quality (B.P. 1932) are 3s. 2d. per lb. in carboys and from 3s. 3½d. to 4s. 2d. per lb. in winchesters.

THEOBROMINE.—Makers' prices per lb. from April 1 are:—ALKALOID, 1-cwt. lots, 33s. 6d.; 7-lb. lots, 36s. 6d. CALCIUM SALICYLATE, 1-cwt., 20s.; 7-lb., 23s. SODIUM BENZOATE, 1-cwt., 21s. 6d.; 7-lb., 24s. 6d. SODIUM SALICYLATE, 1-cwt., 20s.; 7-lb., 23s. In good supply.

THEOPHYLLINE.—Prices of ALKALOID range from 60s. to 65s. per lb., as to quantity; with ethylene diamine (AMINO-PHYLLINE, B.P.) prices are from 72s. 6d. to 80s. per lb.

Crude Drugs

ACONITE.—Steady. Indian, on the spot, is quoted at 275s. per cwt.; *napellus*, offered at 3s. 10½d. to 4s. 3d., duty paid.

AGAR.—Kobé strip on spot is offered at 15s. 6d. to 16s. per lb.; Yokohama strip is quoted at from 14s. per lb., duty paid. South African powder, in tins in cases, quoted at 20s. per lb., spot.

ALOE.—Prime Cape on spot is offered at 105s. per cwt.; shipment, 98s. per cwt., c.i.f. Curacao is offered at 185s. per cwt. Socotrine, 160s. to 180s. per cwt., spot.

BALSAMS.—*Canada* is quoted at 20s. 6d. per lb., on spot. *Para Copaiba* (soluble), 4s. 9d. per lb., spot. San Salvador, *Peru*, 4s. 9d. per lb., duty paid. *Tolu* on the spot is offered at 11s. per lb.; to come forward, 10s.; shipment, 9s. 6d., c.i.f.

BELLADONNA.—Jugo-Slav root is quoted at from 4s. to 4s. 6d. per lb., duty paid, as to test; shipment, 3s., c.i.f. Jugo-Slav leaves (B.P.) are offered at 4s. 2d., duty paid. English leaves are available at 4s. 9d. (0.546 per cent.) per lb.

BENZOIN.—Sumatra block on the spot is offering at £14 10s. to £16 per cwt., as to quality; No. 1, at origin, £15, c.i.f. Sumatra free almonds are available at from £45 per cwt.

BUCHU.—New crop short rounds for shipment offered at 3s. 8d. per lb., c.i.f.; quoted on spot at 3s. 11d. to 4s. per lb.

CALABAR BEANS.—Steady. Spot quotations are from 10½d. to 11d. per lb.

CALUMBA.—Washed ungraded root is offering at about 130s. per cwt., spot.

CAMPHOR.—Chinese tablets are offered at from 7s. 6d. (¾-oz.) to 8s. (¾-oz.); refined natural powder (B.P.), 6s. 3d. to 6s. 6d.; slabs (2½-lb.), 7s. 3d., spot London, duty paid. English synthetic powder, B.P., is quoted at 5s. per lb. and technical at 3s. 9d. per lb., in 100-lb. lots.

CANTHARIDES.—Quiet. Chinese on spot are offered at 7s. per lb.; from origin, 4s. 6d., c.i.f.

CASCARA SAGRADA.—No improvement in demand; spot quotations are from 170s. to 185s. per cwt., duty paid.

CHILLIES.—No offers of Mombasa. Zanzibar is nominal at 135s. per cwt., spot; Japanese-type, 160s., spot.

DIGITALIS.—English leaves are quoted at from 2s. 3d. per lb.; powder, B.P., is offered at about 5s. 9d. per lb.

ERGOT.—Firm. Portuguese is offered at 6s. per lb., spot; from origin, 6s. per lb., c.i.f., is now asked.

GALLS.—Steady. Persian blues quoted on spot at 260s. per cwt.

GENTIAN.—French natural on the spot is offered at 62s. 6d. per cwt. A fair export business done.

GINGER.—African is not offered. Jamaican No. 1 and No. 2, not quoted; No. 3, spot, 150s. per cwt. asked; March-April shipment, 145s., nominal, c.i.f.

GUAIACUM RESIN.—Steady. Prices are from 2s. 4½d. to 2s. 6d. per lb., spot.

GUM ACACIA.—Steady. Kordofan cleaned sorts, on the spot, quoted at 60s. per cwt.; shipment, 55s., c.i.f. Bleached No. 1, 117s. 6d., spot; shipment, 90s., c.i.f. Talha, on spot, 44s. per cwt.; forward, 37s., c.i.f.

HONEY.—Prices are unchanged. Agreed rates per cwt. for Australian or Jamaican honey, for manufacturing purposes, are as follows: In original packings (56-60 lb. tins for Australian or 3½-cwt. barrels for Jamaican) for quantities of 10 cwt. or more, 96s.; less than 10 cwt., 105s., net, carriage paid. Refined repacked honey is available at the following rates per cwt.: In 7-14 lb. tins, 145s.; 28-lb. tins, 130s.; 56-lb. tins, 120s., carriage paid, subject to wholesale discount of 8½ per cent.

HYDRASTIS.—Quota supplies for use in products primarily for export are offered at 35s. per lb.; small quantities free from restriction are quoted at 40s. per lb., spot.

IPECACUANHA.—Nicaraguan on the spot is offered at 23s. per lb.; March-April shipment, 21s., c.i.f.; April-May, 20s., c.i.f. Colombian, 21s. per lb., spot. Matto Grosso is quoted at 24s. per lb., c.i.f. U.K.

LANOLIN.—B.P. Anhydrous is £120 per ton; Superfine, £130; B.P. Hydrous, £100, delivered in U.K. The supply position continues to improve.

LIQURICE.—Anatolian natural root on spot is offered at from 45s. to 47s. 6d. per cwt.; Syrian, 40s.; Russian, 45s. 6d. to 46s. Italian block on spot is obtainable at 170s. per cwt.; Italian stick is quoted at 295s. to 560s. per cwt., as to grade. Turkish block is offered at 210s. to 220s. per cwt.; Turkish stick is available at 300s. per cwt. American block is from 160s. per cwt.

MACE.—West Indian blade on the spot is quoted at 6s. 6d.; pickings, 4s. to 6s. per lb., according to quality.

MENTHOL.—Firm. Brazil is offered at 45s. per lb., duty paid; in bond, 43s. per lb.

MERCURY.—Ex warehouse, £18 10s. per flask; shipment, £17 17s. 6d., c.i.f. U.K.

NUTMEG.—West Indian 80's on the spot, 2s. 9d.; sound unsorted, 2s. 3d.; wormy and broken, 1s. 5d. per lb.

NUX VOMICA.—Cochin on spot is offered at 36s. 6d. to 38s. 6d.; Mangalore is quoted at 34s. 6d. to 36s.; Madras, 34s. to 36s. per cwt. In little request.

PAPAIN.—East African is offered at 15s. 6d. per lb., spot; Ceylon brown, 11s. 6d. per lb., spot.

PIMENTO.—Fractionally dearer on the spot at 1s. 2½d. per lb.; forward, 119s. per cwt., c.i.f.

RHUBARB.—Chinese rough-round four-fifths pinky fracture, is quoted at from 4s. 9d. to 5s. per lb., duty paid, on the spot; in bond, 4s. 8d. per lb. Second-grade sound root is offered at around 3s. 6d. per lb., duty paid.

SANDARAC.—Spot quotations are at 5s. 9d. per lb.; to arrive, 5s. 4d., c.i.f.

SEEDS.—Cyprus ANISE is 1s. 4½d. per lb., and Turkish, 1s. 4d. per lb., duty paid, or 1s. 3d. per lb. in bond, spot London. CARAWAY.—Dutch is unchanged at 120s. per cwt., duty paid, spot London. CELEERY.

—Indian, in poor demand, is quoted at 1s. per lb., spot London or Liverpool. CORIANDER.—Market quiet. Morocco, on spot in London, is offered at 35s. per cwt., duty paid. Argentine, quoted at 30s. per cwt., duty paid, spot London or Liverpool. CUMIN.—Quiet. Cyprus, spot London, 165s. per cwt.; Indian, 160s. per cwt., spot London or Liverpool. DILL.—Indian remains firm. Sellers are asking 47s. 6d. per cwt., spot London or Liverpool. FENNEL.

—Indian is of little interest at 67s. 6d. per cwt., spot London or Liverpool. FENUGREEK.—Market firm. Indian, quoted at 54s. per cwt., spot London or Liverpool; Morocco is 53s. 6d. per cwt., duty paid, spot London or Liverpool.

SENEGA.—Supplies of root on the spot are offered at 7s. 6d. per lb.

SENNA.—Tinnevely leaves, spot, No. 1, from 9½d. to 11d. per lb.; No. 2, 7½d. to 8d.; No. 3, 5½d. to 5½d.; Tinnevely pods, hand-picked, 8½d. to 1s. 4d.; manufacturing, 4½d. to 5d. Alexandrian pods, hand-picked, spot, from 4s. 9d. to 5s. 9d., according to quality and seller; medium, 2s. 9d.; manufacturing, from 1s. to 1s. 9d. per lb.; Alexandrian leaves, f.a.q., 1s. 2d.

STROPHANTHUS.—Kombé, 100 per cent., is in short supply on the spot and prices have risen to 12s.-12s. 6d. per lb.

TRAGACANTH.—Steady. Selected white, £90 per cwt.; other white grades, from £55 to £85; pale leaf, £35 to £40; amber, £20 to £27; red, £14; hoggy, about £10 10s.

TURMERIC.—Madras finger is quoted at 110s. to 115s. per cwt., spot; April-May shipment is quoted at 90s., c.i.f.

WAXES.—Steady. Dar-es-Salaam BEES' on the spot is steady at 330s. per cwt.; shipment, 310s., c.i.f. Benguela is quoted at 310s. per cwt., in bond; shipment, 290s., c.i.f. CANDELLILLA.—On spot, 400s. per cwt. now asked; April delivery, 375s. CARNAUBA.

—Prime yellow is offering at 650s. per cwt.; shipment, 560s., c.i.f. Fatty grey, 440s. per cwt., spot; shipment, 390s., buyers' licence. Chalky grey, 425s. per cwt., spot; shipment, 380s., c.i.f. MONTAN.—Reibeck, 225s. per cwt., spot; shipment, 200s., c.i.f. Czechoslovak crude, 215s. per cwt. on spot; shipment, 175s., c.i.f.

OURICURI.—Little available. 6 per cent. is offered at 420s. per cwt., spot. SPERMACEITI.—Supplies on spot are at 2s. 5d. per lb.

Essential and Expressed Oils

ALMOND.—English sweet oil (B.P.) is offered at around 4s. 6d. to 5s. per lb. Bitter essential oil on the spot is offered at from 27s. 6d. to 60s. per lb., as to grade.

CAMPHOR.—White oil on spot is quoted at from 2s. 2d. per lb., duty paid. There is little inquiry for this oil.

CLOVE.—Steady. Quotations for English-distilled bud oil are at from 10s. 3d. to 11s. per lb., according to quantity. Madagascar is offered at about 7s. 6d. to 8s. 6d. per lb.

EUCALYPTUS.—Spot quotations for 70-75 per cent. (B.P.) are from 2s. 9d. to 3s. per lb. for drums and up to 3s. 6d. for smaller quantities; shipment, 2s. 9d., c.i.f.

GERANIUM.—Bourbon on spot is nominal at 55s. per lb.; African is offered at about 60s. per lb., spot.

GINGER.—Quoted at from 65s. to 70s. per lb., as to grade.

JUNIPER BERRY.—Steady. English-distilled oil is quoted at from 70s. to 75s. per lb.; imported oil is offered at 25s. to 30s. per lb., according to seller.

LIME.—West Indian on spot is offered at from 28s. 6d. per lb.

PATCHOULI.—Singapore on the spot is quoted at from 27s. to 30s. per lb.; shipment offers are firm at 27s. 6d. c.i.f.

PINE.—*Pumilionis* is quoted at about 17s. to 18s. per lb., spot; *sylvestris* is quoted at from 9s. 6d. to 13s.

PINE NEEDLE.—Quiet. Supplies on spot are offered at 18s. to 20s. per lb., for first-grade.

PEPPERMINT.—English-distilled "Mitcham" oil is offered at around 225s. per lb.

PIMENTO BERRY.—English-distilled oil is offered at from 55s. to 65s. per lb. and upwards, as to quantity and grade.

Refined Vegetable Oils

Ministry of Food prices (per ton) of refined oils allocated to primary wholesalers and large trade users during the eight-week period ending May 21 are given in the following table. Prices are unchanged.

Oil	Grade	Price £
Coconut	Refined deodorised ...	112
Coconut	Refined hardened	116
Palmkernel	Deodorised	112
Palmkernel	Hardened deodorised...	116
Cottonseed	Refined deodorised ...	114
Groundnut	Refined deodorised ...	114
Groundnut	Refined hardened, deodorised to 40° ...	119
	deodorised to 50/52°	114
Palm	Refined deodorised ...	118
Palm	Hardened deodorised...	111

Rates for bulk supplies, naked, ex works.

TRADE MARKS

(From the "Trade Marks Journal," March 9)

- "ROCCAL"; by Bayer Products, Ltd., London, W.C.2; 661,411. Device of lightning; by South Eastern Chemicals Co., Ltd., Colchester; 667,247. Device of woman in circle; by Joseph Lingford & Son, Ltd., Bishop Auckland; 667,608.
- "NEOHETRAMINE"; by Nepera Chemical Co., Inc., Yonkers; 668,526. "ETHOVYTE"; by Wilfred Herbert Curtis, St. Leonards; 675,176.
- "VALGENINE-SANDOZ" (in distinctive lettering); by Sandoz, Ltd., Basle; 676,153. For pharmaceutical preparations (5).
- "PELENTE"; by Cooper, McDougall & Robertson, Ltd., 666,998. For insect-repelling preparations (5).
- "FERNASAN"; by Plant Protection, Ltd., Yalding; 668,048. For insecticides, fungicides and weed-killing preparations (5).
- "MYLAXANE"; by Imperial Chemical (Pharmaceuticals), Ltd., Slough; 668,456. For anaesthetics (5).
- "ETICYCLIN"; by Ciba, Ltd., Basle; 670,240. For all goods (5).
- "SWARDET"; by Pan Britannica Industries, Ltd., Waltham Abbey; 670,248. For weed-killing preparations (5).
- "MARDOLYN"; by James Guest, Bolton; 670,443. For medicated ointments (5).

Circular device incorporating the initials

- "P.P.P.P."; by Precision Photo Printing Plant, Ltd., London, E.C.2; 666,056. For photographic apparatus (9).
 - "THERATRON"; by Theratronics, Ltd., London, W.C.1; 668,320. For surgical, medical and veterinary instruments and apparatus (10).
 - "THE ELFIN"; by Westminster Brush Co., Ltd., St. Albans; 654,927. For tooth and hair brushes and combs (21).
 - "STAR" and star device; by Ever-Ready Razor Products, Ltd., London, N.W.9; 663,640-41. For shaving and tooth brushes (21).
- (From the "Trade Marks Journal," March 16)
- "TWEEN"; by Atlas Powder Co., Wilmington; 661,667. For emulsifying, wetting and dispersing agents (1).
 - "VIVO"; by Singleton Bros. (Instruments), Ltd., London, S.W.1; 670,452. For mineralising agents for the water in aquaria (1).
 - "RAY SOL" in distinctive lettering; by the Institute of Radium Hair Culture, London, N.15; 665,518. For shampoos and hair-growing preparations (3).
 - "PERLMURA"; by Gorney, Ltd., Manchester; 656,751. For cosmetics (other than toilet preparations), soaps, essential oils and hair lotions (3).
 - "KEMECTOL"; by Nancy Kathleen Ducker, Paris; 664,390. "WONDERLAND"; by Karamels, Ltd., London, E.1; 668,317. "KERESTOR"; by Superma, Ltd., London, W.1; 670,381. For non-medicated toilet preparations (3).
 - "DONYFORD"; by George Crawford (Belfast), Ltd., Belfast; 668,841-42. For soaps, essential oils, cosmetics (other than toilet preparations) and hair preparations (3); for insecticides, phar-

maceutical preparations, cotton wool and medicated toilet paper (5).

- "BAYBWEEL"; by Koray, Ltd., London, W. B669,240. For non-medicated toilet powder for infants (3).
- "EMESCO"; by Montgomerie, Stobo & Co., Ltd., Glasgow; B669,602. For dry-cleaning soap (3).
- "LUCKIFOAM"; by Cambrian Chemical Industries Ltd., Barry Port; 670,836. For all goods (3).
- "OPTULIN"; by Splendor, Ltd., Nottingham; 657,017. For eye lotion (5).
- "SEA MAID" and device of mermaid; by Isaac Spencer & Co., Fleetwood (1920), Ltd., Fleetwood; 663,204. For fish-liver oils for medicinal purposes (5).
- "ALLYRIC"; by Hugh Tevis, Capetown; 663,499.
- "NAZADRINE"; by Cupal, Ltd., Blackburn; 666,154. "CHAPICIDE"; by E. W. Sleath Co., Ltd., Manchester; 668,085. "MALTOMIC"; by Edme, Ltd., London, W.1; 668,105. "THI SOLUMIDE"; by May & Baker, Ltd., Dagenham; 670,441. "MINU"; by Godfrey Birrell, Huddersfield; 670,763. For pharmaceutical preparations (5).
- "AURCONES"; by Duncan, Flockhart & Co., London, E.C.1; B663,738. For bougies, medicated substances in the form of cones, for aural administration (5).
- "SCOTCH BOY"; by Minnesota Mining & Manufacturing Co., St. Paul; 664,592. For surgical adhesive tapes (5).
- "VEBRO"; by Reckitt & Colman, Ltd., Hull; 667,912. For dietetic, infants' and invalid foods (5).
- "PERIKAY"; by Perivale Laboratories, Ltd., Greenford; B669,238. For all goods (5).
- "ARPIDOL"; by McClure, Young & Co., Ltd., London, N.W.10; 670,859. For antiseptics and disinfectants (5).
- "PEANOC" and "REMATOX"; by Pest Control Ltd., Harston; 670,927-28. For weed-killing preparations (5).
- "HEPTAN"; by Glaxo Laboratories, Ltd., Greenford; B674,957. For analgesics (5).
- "PLEXACON"; by Theratronics, Ltd., London, W.C.1; 668,322. For surgical, medical and veterinary instruments and apparatus (10).
- "MEDUSTEP"; by Sigfried Lowinsky, Glasgow; 668,726. For pads to support the arches of feet in footwear (10).
- "MATOX"; by Imperial Chemical (Pharmaceuticals), Ltd., Slough; 670,801. For surgical, medical and veterinary instruments and appliances (10).
- "KINGFISHER"; by North's Rubber Co., Ltd., Mitcham; 666,476. For bathing caps (25).

(From the "Trade Marks Journal," March 23)

- "OSMOTOID"; by Osmotas, Ltd., Bristol; 651,967. For agricultural and horticultural chemicals, manures (1).
- "TUBOSAN"; by May & Baker, Ltd., Dagenham; 671,105. For all goods (1).
- "TURCO" and device of turbaned head; by Turb Products, Inc., Los Angeles; B653,760. For detergents (3).

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Can be recommended for general, medical
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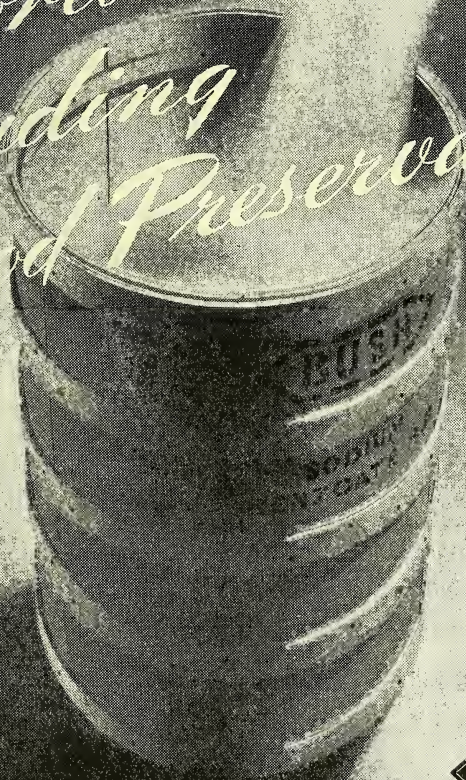
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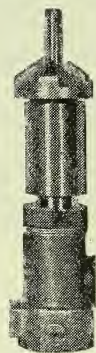
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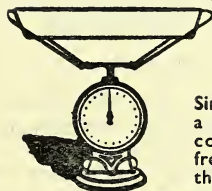
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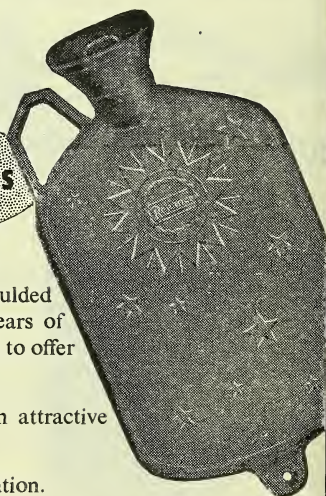
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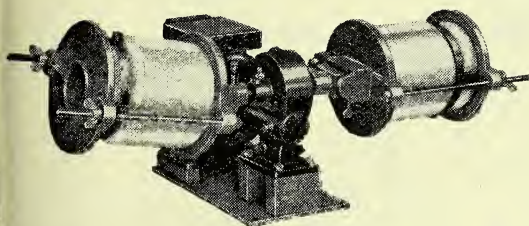
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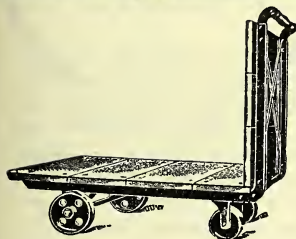
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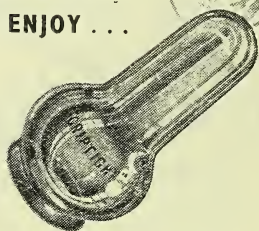
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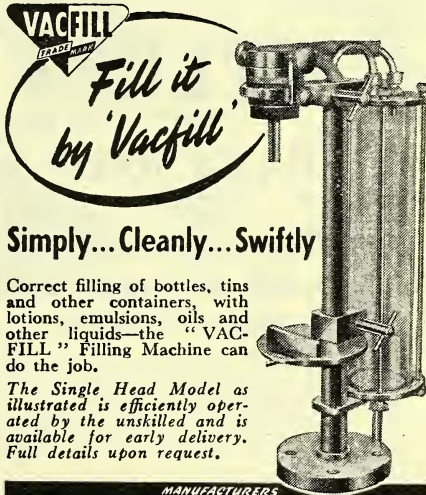
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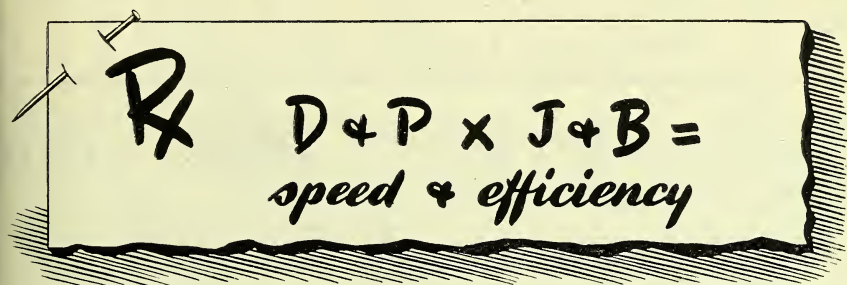
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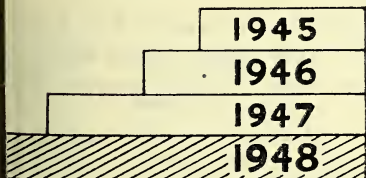
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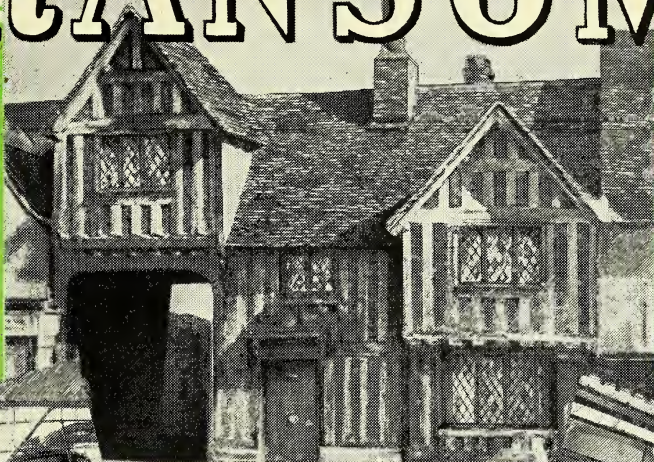
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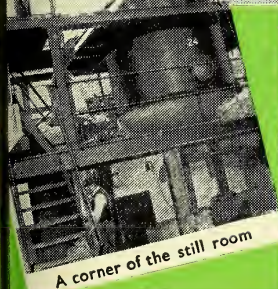
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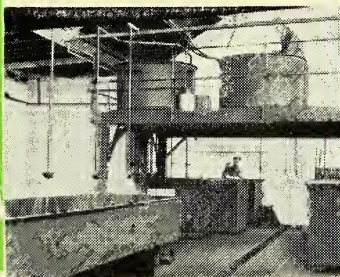


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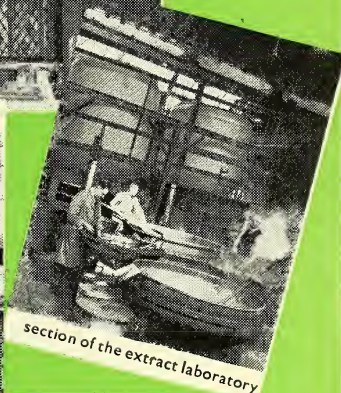
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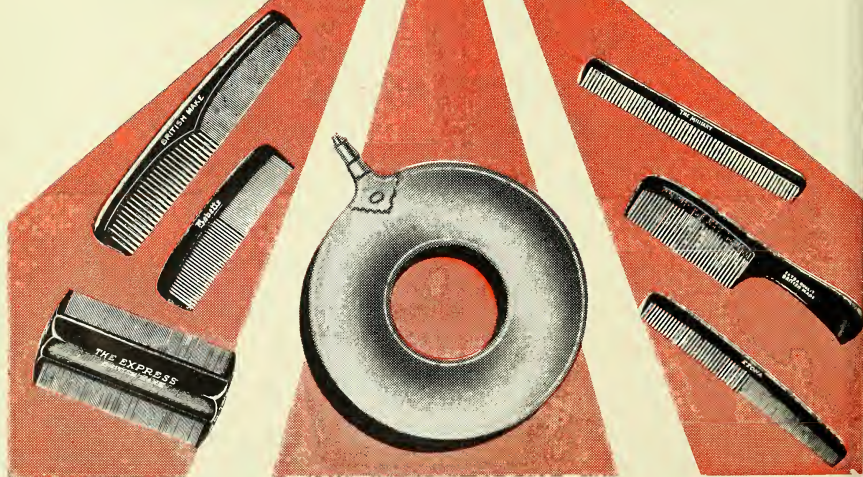


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**THE FINEST
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OR GROWN**



AL TOILET SPONGES selling at 3/8d. and 2/9d. including P.T. are now available in *four delightful colours*—natural yellow, blue, green, pink (packed in dozens, standard assortment or all one colour)—a really fine contribution to your window and counter display.

E SPONTEX BABY SPONGE—extra fine, extra soft, in natural yellow, blue and pink, beautifully wrapped. 2/5½d. including P.T.

E SPONTEX COSMETIC SPONGE—7½d. including P.T.

CKED BY A NATION-WIDE ADVERTISING CAMPAIGN.

der from your usual supplier, or, in case of difficulty, ite to:

ONCEL LTD., WOLDHAM RD., BROMLEY, KENT.

Telephone: RAVensbourne 2641

*Now in 4
delightful
colours*

THIS
SUMMERS
BEST
SELLER



Cox's

inventors
of the
first
D.D.T.
flypapers

introduce

THE
NEW

ARTISTIC COLOURED

D.D.T. PARROT

GUARANTEED 100% IMPREGNATED

EACH CAN KILL 10,000 FLIES

**ORDER
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retail **4¹/₂** each

Also
Cox's
Original
Flypaper
3°

JAMES COX & CO.
(Manufacturing Chemist)

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Tel: BYron 4326

**GARDINER'S
FOR
COATS**



LONG COATS

WHITE DRILL

3 Outside Pockets - - 21/6

Post and packing 1-9d., 2-1/-

JACKETS

FINE WHITE DRILL

Button 3, 3 Outside Pockets

Chest—32" to 46" - 14/1

Post and packing 1 or 2—9d.

ALL SHRUNK

Subject to Price Fluctuation
and Supplies available.

State Chest Measurement. Send
Cash with Order, over £
Carriage Paid.

Gardiner & CO. (The Scotch
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1, 3 and 5 COMMERCIAL ROAD, LONDON, E.

Opposite Aldgate East Station. Phone: B18 6751 (3 line)

Branches: DEPTFORD, S.E.8;

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ROTOSAN
Automatic AIR PURIFIER

Chemists everywhere are welcoming the re-
of the ROTOSAN in its new modern, str-
lined, design. Packed in an attractive celloph-
wrapped "display" carton with supply

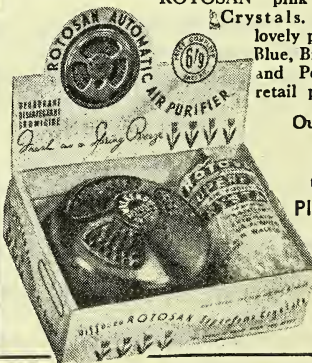
ROTOSAN pink Super-
Crystals. In f-

lovely pastel sh-

Blue, Bronze, G-

and Pearl. 3

retail profit.



Outfit retai-

at

5/6

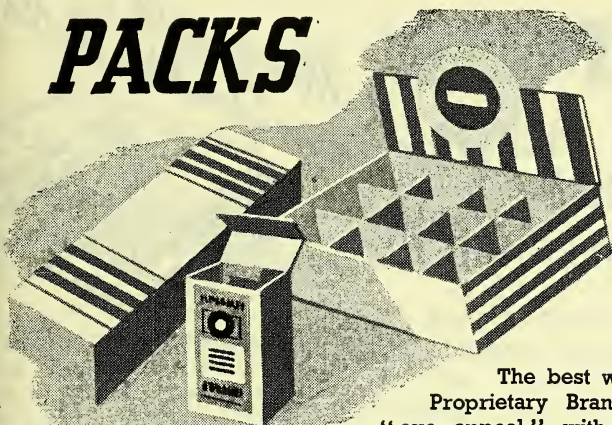
Plus 1/3

Refills

6 oz. 1

One of Walkers Approved Product
W. & F. WALKER LTD. KIRKBY, L'POO

PACKS



**for your own
PRODUCTS!**

The best way to publicise your
Proprietary Brands is to give them
"eye appeal" with packs of attractive
design, soundly manufactured. Let us send
you samples to suit your individual needs.

J. DRING LTD. THE AIRPORT PORTSMOUTH. Tel. 74448/9/0



5,000,000 Cats!

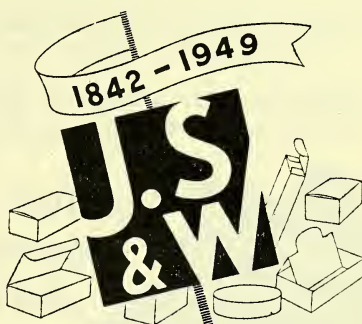
You can get your share of customers from
the 5,000,000 pussy population of Britain!
Pet-lovers are realising that cats need *regular*
conditioning—and that means there'll be a con-
stant demand for this new Karswood product—
backed by nation-wide publicity—KARSWOOD
CAT POWDERS. Stock up now to meet it!

KARSWOOD

cat

POWDERS

A product of E. Griffiths Hughes Ltd. Manchester 3



LETTERPRESS & LITHO CARTONS

FOLDING AND RIGID BOXES

PACKINGS FOR SPECIAL PURPOSES

JOHNS, SON & WATTS LTD

The Packaging Specialists

2-4 EPWORTH ST. LONDON E.C.2

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JUNIOR MOTH RINGS

CONTAIN DEADLY D.D.T.

PROMOL MOTH RINGS JUNIOR SIZE are now doubly efficient by compounding Napthalene with Paradichlorbenzenum and D.D.T. The first two, powerful moth repellents, evaporate gradually, leaving the deadly D.D.T. as fine powder which ***kills insects by contact***, thus giving an extra protection. Tell your customers this for **SURE SALES**.

Twice as efficient as before—twice as saleable. 8 rings for 4d.

Attractive red, white and blue display carton. Enquiries invited.



Send Your
Enquiries
NOW!

PROMEDICO PRODUCTS LTD., 21/22 Turle Road, London, N.4

*How to sell
more Sparklets Bulbs!*

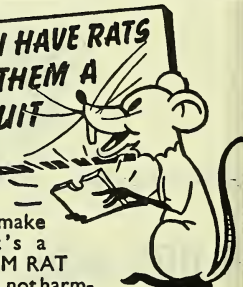


Offer your customers the **Spark Syphon Repair Service** . . . even the most dilapidated syphon can now be rebuilt as new provided the glass is intact. It's not just a case of "mend and mend"—It's sound business.

★ Write for showcard and list of repair chemists



**IF YOU HAVE RATS
GIVE THEM A
BISCUIT**



. . . but make sure it's a **VEXTERM RAT BISCUIT**, no harmful to pets, human beings or farmyard stock, but death to rats and mice. Clean, safe and easy to handle. From Chemists, Ironmongers and Stores everywhere. Price 1/6 & 5/9


VEXTERM
READY-BAITED
RAT BISCUITS

Agriculture and Fisheries Licence No. 10134

Manufactured by

BRITISH RODENT EXTERMINATOR CO.
PRATTS BOTTOM · FARNBOROUGH ·

Phone: FARNBOROUGH 849



April 30TH
is nearly
here!



APRIL
30

**It's time you got on
to that biggest ever**

FLIT BONUS!

**ON ALL ORDERS FOR DELIVERY NOT
LATER THAN 30th APRIL:—**

10%	Bonus on all orders of over £10 at list prices	£8	"	"	"
7½%	" " " " " " "	£5	"	"	"
5%	" " " " " " "		"	"	"

Orders may include all sizes of Flit products and Flit Hand-Sprayers.

LIST PRICES

Size	Packed in outers containing	RETAIL PRICE	LIST PRICE
8-oz. cans Flit	2-doz.	1/6 ea.	13/- doz.
16-oz. " Flit	1-doz.	2/6 ea.	21/- doz.
32-oz. " Flit	1-doz.	4/6 ea.	38/- doz.
160-oz. " Flit	singly	18/- ea.	12/6 each
160-oz. " Flit			
Livestock Spray	singly	12/6 ea.	8/9 each
Flit Hand-Sprayers	1-doz.	3/- ea.	26/- doz.
2-oz. Puffer cartons			
Flit Powder	2-doz.	1/3 ea.	10/- doz.

*The summer season is
the Flit season—stock up
and sell sell **SELL!***

EMCO LIMITED, 128/132 ALBERT STREET, CAMDEN TOWN, N.W.1.



Supplies available through your usual wholesaler.

PATA

for those who take

TEASDALE'S
BRAND
CHLORODYNE

RETAIL
1/9 and 3/11
including Purchase Tax.
WHOLESALE
12/- and 28/-
plus Purchase Tax
one-third.

Manufactured by:

6 B

The Teasdale Chlorodyne Co., Huddersfield.

**BRITISH
MADE AMPOULE FILES**
are now available

We are now in a position to manufacture large quantities of Ampoule Files and invite inquiries

DOMINION STEEL CORPORATION
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"FLEET" WORKS
QUEEN'S ROAD, SHEFFIELD, 2

SD2

*The Symbol of
PERFECT Skin Health*

A revolutionary product for the treatment of skin illnesses with unusual penetrative power. Sold under a money-back guarantee of satisfaction. Liquid and cream. Prompt deliveries.

BIO-COLLOIDS, LTD. ALTRINCHAM, CHES.

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BC 2

"NORVEX" SANITARY TOWELS

(REGD.)

ALL WOOL, WITH LOOPS—SIZES 0 to 4

A SUPER TOWEL

SOLD BY CHEMISTS ONLY.

CROSSKILLS OF NORWICH

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**This
EXTRA
SALES
ASSISTANT
Will bring in
the summer
crowds !**



This colourful poster for BRONTAN will be appearing throughout the summer to assist you in selling this popular Sun Tan Cream to thousands. There's always a steady demand for Brontan in the summer season, so be sure you have stocks available by ordering NOW!

BRONTAN LTD.

All orders and communications to Sole Distributors:—

ALFRED FRANKS & BARTLETT CO., LTD.,
AUDREY HOUSE, ELY PLACE, LONDON, E.C.1

Telephone No : HOL 1078/9



A GOOD FAMILY LINE WITH A STEADY TURNOVER

HERBALENE, a nationally advertised herba laxative, has a deservedly high reputation, for its gentle, natural action makes it suitable for young and old alike.

RETAIL PRICES

1/6, 2/6 & 3/8

Including Purchase Tax

Obtainable from wholesalers or direct from address below. Attractive show-card available on request.

TRADE PRICES

10/-, 16/- & 24/- per doz.

Plus Purchase Tax

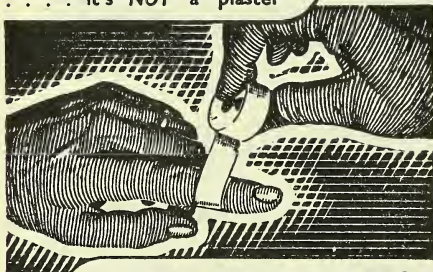
Please enquire for details of how to obtain free a Rubber Door Mat advertising HERBALENE.

LUSTY'S NATURAL PRODUCTS CO.

(C.D.) 278 LONDON ROAD,
WESTCLIFF-ON-SEA

NOT STICKY

... it's NOT a plaster



BUT IT STICKS!

... it's MORE than a bandage

PRESTOBAND

THE ANTISEPTIC SELF-ADHESIVE BANDAGE
STICKS TO ITSELF—BUT NOT TO THE SKIN

See also from the Sole Distributors

FASSETT & JOHNSON LTD

86 Clerkenwell Rd. London, E.C.1 and 6 Crow St. Dublin
MADE BY VERNON & CO. LTD., PRESTON, LANCs.

We have over 6

● ● ● ● ● ●
years experience

● ● ● ● ● ●
of making pills

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capsules and tablets

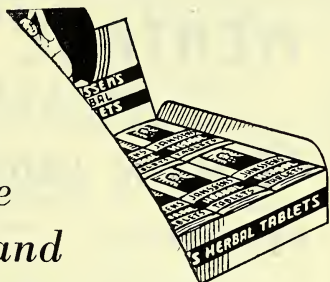
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for home and overseas

**HOWARD LLOYD
& CO. LTD.
LEICESTER**

increased demand

*resulting from
our extensive
national and
provincial
publicity has*

*enabled us to
reduce the
retail price
of Dr. Janssen's
Herbal Tablets
as follows*



PRICE REDUCTIONS

5/11	SIZE	NOW	3/11
2/6	SIZE	NOW	1/6

Usual Trade Terms

DR. JANSSEN'S HERBAL TABLETS

Obtain from your usual wholesaler or Dr. Janssen Ltd., 52 Baker Street, London, W.1

MENTHOL TURIOPIN OIL

INHALATION THERAPY

3 MAIN INDICATIONS FOR ITS USE

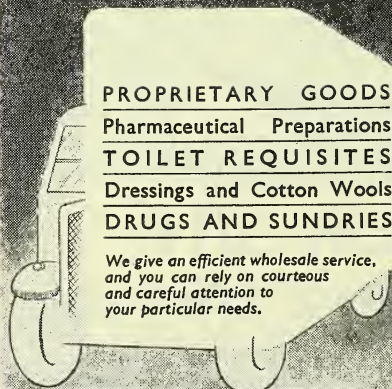
BRONCHITIS	Alleviates irritating coughs and by liquifying phlegm facilitates and lessens expectoration.
CONGESTIVE CATARRHS	Relieves catarrhs at the seat of the trouble; contracts the capillary blood-vessels checking discharge.
HAY FEVER	Rapid relief is obtained, sneezing arrested and pain and fullness of the head quickly reduced.

NOTE: MENTHOL TURIOPIN OIL furnishes an excellent supplementary treatment to the RIDDOBRON Therapy for Asthma and Allied complaints.

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REGULAR DELIVERIES in ALL areas



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DOUBLE POWER
TABLETS

Really Stop Pain

A double power analgesic
in ever increasing demand.
Prompt delivery from all
wholesalers or direct from

**SPLENDOR
LTD.**

4d, 7½d, 1/7 and 2/9 Incl. P. Tax
LONDON and NOTTINGHAM

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THE MOST SENSATIONAL SELLING ARGUMENT IN HISTORY!

A Dentifrice that stops Decay

AMERICAN chemists are being overwhelmed with demand for a completely revolutionary Dental Discovery—a tooth powder which not only prevents decay but even arrests its progress when already existing. Newspapers and magazines all over that vast country are full of stories of its amazing results, proved under the most stringent, scientific tests.

Dr. Wallace, secretary of the American Council on Dental Therapeutics, Dr. Henschel with his associates, Drs. Lieber, Kopely and Gudwin of New York, Drs. Kesel, O'Donnell, Kirch and Wach of the State of Illinois, the Groves of Minnesota, and Dr. Robert M. Stephan of the U.S. Public Health Service are among the authorities responsible for discovering the way to incorporate dibasic ammonium phosphate with synthetic urea in a tooth powder, suitable for general use, yet in such strength that its regular use definitely destroys the *Lactobacillus acidophilus*, the commonest of all causes of dental decay.

This powder is now being made in Great Britain under the name of AMM-I-DENT and limited supplies are already available for chemists anxious to be in the fore-front with such a development.

Ask your wholesaler for a small supply to-day. In case of any difficulty, write to the Distributors:

Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1

AMM-I-DENT

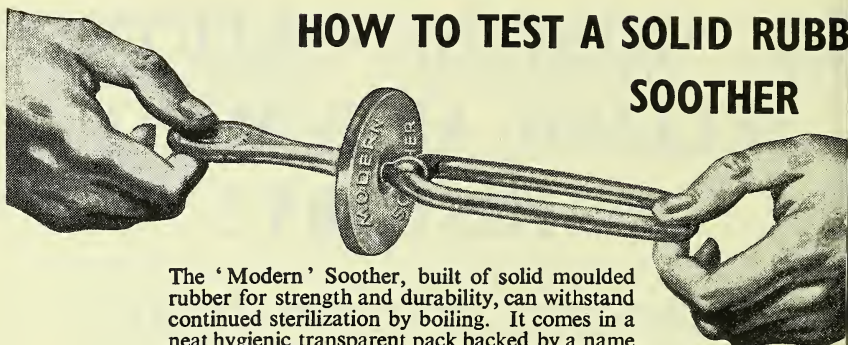
The Ammonium Ion Tooth Powder

ACTUALLY PREVENTS TOOTH DECAY

Retail 2/6 incl. Tax. Usual Trade Discounts

MADE AND GUARANTEED BY THE

ARNET DENTAL MANUFACTURING CO., WELWYN GARDEN CITY, HERTS.



The 'Modern' Soother, built of solid moulded rubber for strength and durability, can withstand continued sterilization by boiling. It comes in a neat hygienic transparent pack backed by a name that means reliability and value. Retailing at 1/- each, The 'Modern' Soother is supplied in attractive display outers containing 2 dozen soothers. 7/10 dozen. (Through your regular wholesaler).



MAY 2-13
OLYMPIA &
EARLS COURT
SEE OUR EXHIBIT
(STAND No. D.34)

The **"MODERN"** SOOTHER
A CANNON RUBBER PRODUCT

*Built to be
boiled*

THE CANNON RUBBER MANUFACTURERS LIMITED, LONDON

*At your service
for*

**PROPRIETARY ARTICLES
PHARMACEUTICAL PREPS.
DRUGGISTS' SUNDRIES
DRESSINGS**

N. & M. GOULD LTD.

*Wholesale Chemists' and Druggists'
Sundriesmen*

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Bishopsgate 7734, 5355 **PATA**

ORDER YOUR SHARE TODAY

MARSH'S

**BRANCH
TABLE**

PACKED IN ATTRACTIVE DISPLAY CARTON

also available:

MARSH'S DIGESTIVE MINTS

MARSH BROOKS LTD.
170, BRIDGEMAN ST., BOLTON

GLYCERYL MONOSTEARATE

Guaranteed Food and Drugs Quality

REGULAR SUPPLIES AVAILABLE

Samples and quotations upon request

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15 Queens Court, Lower Briggate, Leeds
Telephone 22594

Announcing

THE *New* MORE STRIKING

CARTON & TUBE

FOR



... with the same famous,
fine dental cream inside!

... even more attractive — *even more striking* the new 'Kolynos' pack keeps the same golden colour the public knows so well, a golden glow that turns all eyes to your window and then makes a sale from your counter or shelves!

No change in 'Kolynos' sizes. No change in prices. And the advertising campaign continues in all leading papers and periodicals, telling how the penetrating foam of 'Kolynos' cleans *between* teeth, makes teeth *whiter*, leaving the mouth so refreshed.

Make sure your 'Kolynos' stock is ready to meet
the big demand. Order 'Kolynos' now . . .



**All over the world
millions use 'KOLYNOS'
morning and night**

INTERNATIONAL CHEMICAL COMPANY LTD., CHENIES STREET, LONDON. W.C.1

Dr. J. Collis Browne's Chlorodyne
and
The Pharmacy and Poisons Act, 1933

Dr. J. Collis Browne's
CHLORODYNE

SALE RESTRICTED TO REGISTERED CHEMISTS


PURCHASER'S SIGNATURE NOT REQUIRED

Sole Proprietors:

J. T. DAVENPORT LTD.
UNION ST., LONDON, S.E.1

P.A.T.A.

At the sink
or in the swim..



the PUCK
Undercap gives
perfect protection.
It sells all the year through
as a dust-cap, bath-cap or swim-
cap, but there is a rush in the summer.
Be prepared for it by ordering NOW.



Supplied in outers containing
4 dozen assorted (red, yellow,
pale blue and white). Each
cap packed in window car-
ton to show colour

Retail
Price

1/3
INC. TAX.

Puck

**BATH CAP
SWIM CAP
DUST CAP**

GROVEWELL LTD
656 Forest Road, Walthamstow, London, E.17
Only Wholesalers Supplied

Wren's
(PTY) LTD

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SOUTH AFRICA

Sole Distributors and Stockists for
REVLOX EXPORT Corp., NEW YORK
also VIV Pharmaceuticals Ltd.,
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in TOILET, PATENTED and
PROPRIETARY PREPARATIONS
for the UNION of SOUTH AFRICA
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Special

BONUS OFFER!

FOR ORDERS OVER £3 10s. 0d.

There is your chance to give a big increase to your profits. As from the date this advertisement appears, the makers of Valderma, Valopto and Valpeda are offering FREE BONUS GIFTS with every dozen you order, on condition that you display the products.

Advertisement will be executed immediately after Budget Day, April 6th. Adjustments will then be made to conform with any change in Purchase Tax. Orders acceptable under this special offer can be for a mixed parcel and must be to the value of at least £3.10.0d. THIS OFFER CLOSES ON APRIL 30TH.

FREE!



**TWO JARS OF
VALDERMA**

LARGE SIZE with every dozen jars of this size you order.

MEDIUM SIZE OR TUBES ONE JAR OR ONE TUBE FREE with every dozen jars or tubes you order.

Trade Prices Jars 15/- and per doz. Tubes 18/- per doz. Plus Purchase Tax

FREE!



**ONE BOTTLE OF
VALOPTO**

with every dozen bottles you order.

Trade Price 16/9 per doz. Plus Purchase Tax

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VALPEDA**

with every dozen tubes you order.

Trade Price 15/- per doz. Plus Purchase Tax

OUR USUAL DISCOUNT TERMS APPLY TO THIS OFFER

Send your order NOW to:—

HEALTH LABORATORIES LTD., 17, BERNERS STREET, LONDON, W.1.

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**SPECTACLE
CASES —****METAL BODIED — COVERED —
SPRING TOP.**

13/6 dozen plus 66½% Purchase Tax

**SPECTACLE
FRAMES —**

Our Spectacle Frames fitted with our World Patented Jointings. This joint is revolutionary as pins and rivets are eliminated, also these joints are coloured to tone with the material.

SIR JOHN PRATT & CO.

(Proprietor SIR JOHN PRATT J.P.)

89 FORSET COURT, EDGWARE ROAD
LONDON, W.2**SYRIAN LIQUORICE****JUICE STICKS, 25 grammes***Each stick wrapped in transparent cellulose film.*Original cases 40/50 Kilos gross
cartons at 2/4 lb.

ex Wharf London duty paid. Box 5/83½

PRE-PACKING & LABELLING

(We can now accept fresh orders)

LIQUIDS: From Bulk into any size bottle
from ½ oz.**POWDERS &** Mixed and packed to customer's**TABLETS:** Specifications.**J. H. WISEMAN & CO. LTD.**

100 Blackstock Road, Finsbury Park, N.4.

SHOPFITTING**SPECIALISTS**in the design and fitting of
the Modern PharmacyLet us advise you on the construction of
a NEW Shopfront

Write or Phone GLAdstone 9788

RELIANCE BUILDING CO. (Shopfitters)
1a Ebbsfleet Rd., Cricklewood, London, N.W.2**Standard Saccharin Tablets
IN PACKETS 100**

up to 5 gross at 62/- per gross

,, ,, 5 ,, ,, 61/- ,, ,,

,, ,, 10 ,, ,, 60/- ,, ,,

100 gross lots, price on request

Post free, cash with order.

T. H. Walton & Co., Ltd., Bat**OPTICAL TUITION**For the S.M.C., B.O.A., I.C.O.,
and N.A.O. DIPLOMA Examination

Particulars:—

C. A. SCURR, F.S.M.C., F.B.O.A., F.N.A.
D. Opt. F.C.O., M.P.S.
50 HIGH STREET, BARNET LONDON.**Plastic Beakers (½ pint size)**

60/- per gross for gross lots (assorted colours)

54/- ,, not less than 5 gross lots (,,

*We will supply 3 dozen lots assorted colours
for 16/- cash with order.*

5½" POCKET COMBS - 12/- per gross

7½" DRESSING COMBS - 18/- ,, ,,

(assorted colours)

plus 33½% purchase Tax

TERMS: NET CASH. FREE DELIVERED**RELIANCE TRADING CO.**13 NEW COLLEGE PARADE FINCHLEY RD
LONDON, N.W.3**Now available SACKERS HYGIENIC
METAL COMBS**Will remove Nits,
from hair and

All Enquiries:

SAQUERRE LTD. 62-64 BROOK STREET, LONDON**ASPIRIN TABLETS B.P.
A.P.C. TABLETS B.P.**

Bulk or Packed

THREE CROWNS TABLET COMPANY
21-25 Derringham Street, Hull**PRACTICAL METHODS OF
URINE ANALYSIS**1944 Edition now available. Rewritten, thorough
Revised and Up to date. 8/3 Post Free**THE CHEMIST & DRUGGIST,**
28 Essex Street London, W.C.2

APRIL 2, 1949

The Chemist & Druggist SUPPLEMENT

HEAD OFFICE: 28 ESSEX STREET, STRAND, LONDON, W.C.2

Telephone: Central 6565 (10 lines)

Telegrams: "Chemibus, Estrand, London"

Classified Advertisements must be prepaid.

For rates see sectional headings

ORRIDGE & CO. (Established 1846)

For SALES, PURCHASES, VALUATIONS, STOCKTAKING and ASSESSMENTS

1. Johannesburg, nr. English pharmacist wishes to sell unopposed business owing to wife's health. Doctors' dispensing carried out. Net profit £1,440 last year, increasing. Ideally situate pharmacy. Very nice house available. Total purchase price required, inclusive of goodwill, stock and fixtures £6,000. No doubt a Bond could be raised. **WE HAVE MANY VERY SUBSTANTIAL BUSINESSES FOR SALE IN THE UNION MAKING BETWEEN £1,000 AND £7,000 PER ANN. NET. PRINTED DETAILS UPON REQUEST.**

2. Nationally-known Beauty Product. Turnover has been £8,000; could be much more. Valuable stock, patented formulae. Total purchase price round £5,000.

3. Reigate, nr. Vendor having bought another business desires to sell substantial pharmacy with ranch. Increasing turnover; present rate £1,200 per month. Excellent profits. Living accommodation over main shop. Attractive premises; very reasonable overheads. Pharmacist employed in each shop. Vendor might sell separately. Total purchase price asked, £7,000 S.A.V.

4. Wiltshire. Unopposed drug store suitable for

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5. Essex. Well situate business. Turnover approaches £8,000 per ann. Fixtures and fittings £500 to £600. Stock about £1,200. Long lease. Price £3,500, plus stock at valuation. Possession of living accommodation may be obtained.

6. Piccadilly. Old-established profitable business. Net profit last year £1,350. Beautifully fitted shop, very well situate. Price required, £5,500, plus stock. Vendor retiring.

7. South-east London. Attractive pharmacy in main road likely to materially benefit under Health Insurance and Dispensing conditions. Turnover approaches £6,000 per annum. Long lease at very reasonable rental. Price about £4,500.

8. Essex, few miles out. Rapidly growing business. Cash turnover this year approximately £6,000. N.H.S. turnover £2,000. Net profit estimated at £2,500. Modern flat, Rent, £150, rising to £200 per annum. Total inclusive purchase price required £7,000.

184 STRAND • LONDON • W.C.2

Telephone: TEMPLE BAR 9212/3—6340

Telegrams: Orridgechem Estrand, London

Branch Offices: 36 Cannon St., Birmingham, 2.
77 High St., Shirley, Southampton.

Phone: Midland 6547
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ords 8/6 (minimum) then 3d. per word. Box 2/-

METICS, perfumery, toilets and fancy goods. Ideal position important Surrey town. Photographic and patents could be added. Beautifully fitted shop. Very favourable lease. Turnover between £5,000 and £6,000 under management, two genuine and exceptional offer, £2,750 and Box 6/28.

WILTSHIRE. Old-established business. Main thoroughfare. Takings average approximately £70 per week, including National Insurance. Capable of expansion. Stock value about £700. For further particulars, apply The Association of Manufacturers, Chemists, Ltd., 5 Rumford Pl., Chapel St., Liverpool, 2.

BURN-ON-TYNE. Old-established chemist business and property for sale; takings over £60 per week. No living accommodation. Apply to Messrs. Rydley, Chartered Accountants, Gibb's Buildings, Westgate Rd., Newcastle-upon-Tyne, 1.

ESSEX border. A recently established business in large village. Weekly takings £35 per week rapidly increasing, well fitted and stocked, sale as a going concern, with shop on 21 years' lease, £1,000 S.A.V. Apply Lee, 21 High St., Herts. Phone 61.

LOCK-UP business for sale, N. Wales coast town. Well established. Corner premises on main street within 30 yards of three doctors. Definite prospect for increase. Box 6/44.

NORTH-EAST SEASIDE RESORT. Very old pharmacy, most beautifully fitted, with house attached, in ideal position. Turnover over £6,000. Stock valuation. G. W., £1,500, G.P. 1930. Apply approx. £1,100, fixtures approx. £1,000, both at Box 6/31.

APPOINTMENTS

2/6 per line (12 lines = 1"). Box 2/-

ASSISTANT PHARMACIST required at St. Olave's Hospital, Lower Road, S.E.16, as Locum for one or all of following periods: May 23-June 4, June 13-25, Sept. 5-17, Sept. 26-Oct. 8, 1949. Salary in accordance with J.N.C. Scale. Apply Administrative Officer.

BROMPTON HOSPITAL, LONDON, S.W.3

Applications are invited for the post of ASSISTANT PHARMACIST. Salary in accordance with the J.N.C. scale. Hospital experience not essential but such experience taken into consideration for determining commencing salary within the scale. Applications, stating age and previous experience and accompanied by recent testimonials or the names of two referees, should reach the undersigned within 14 days of the appearance of this advertisement.

F. G. ROUVRAY,
House Governor.

Appointments—Continued**CONNAUGHT HOSPITAL,
WALTHAMSTOW, E.17.**

ASSISTANT to pharmacist required immediately (Hall certificate). Hospital experience preferred. Salary in accordance with J.N.C. scale. Applications, stating age, experience, etc., together with copies of two recent testimonials, to the Secretary, Forest (No. 11) Group Hospital Management Committee, Langthorne Road, Leytonstone, E.11.

**KING'S COLLEGE HOSPITAL,
DENMARK HILL, S.E.5**

requires a LOCUM ASSISTANT PHARMACIST for several weeks. Salary 10 guineas per week. Applications with details of experience should be sent to The Pharmacist at the above address.

**KING'S COLLEGE HOSPITAL GROUP,
DENMARK HILL, S.E.5.**

ASSISTANT PHARMACIST and an ASSISTANT DISPENSER (Hall). Applications are invited for these positions. Salary and hours according to the J.N.C. Scale. Superannuation Scheme in force and appointment is subject to passing a medical examination. Applications, with details of age and experience, should be sent to The Pharmacist at the above address.

**KINGSTON GROUP HOSPITAL
MANAGEMENT COMMITTEE,
KINGSTON HOSPITAL,
WOLVERTON AVENUE,
KINGSTON-ON-THAMES.**

ASSISTANT PHARMACIST. Applications are invited for the position of Assistant Pharmacist. Salary in accordance with the recommendations of the J.N.C. (Hospital Staffs).

Applications to be made as soon as possible to the Medical Superintendent.

**MANSFIELD HOSPITAL MANAGEMENT
COMMITTEE.**

Applications are invited for the post of LOCUM PHARMACIST for the period May 1 to September 30, 1949, for holiday relief and other duties in hospitals within the group. Salary will be at the rate of 10 gns. per week. Applications, stating age, details of experience, together with copies of two recent testimonials, to be forwarded to the undersigned immediately.

A. ASHWORTH, Secretary.
Mansfield Hospital Management Committee,
Oak Bank, Crow Hill Drive,
Mansfield, Notts.

**MID HERTS GROUP HOSPITAL
MANAGEMENT COMMITTEE**

ASSISTANT PHARMACIST required for Osterhills Hospital, St. Albans. Salary in accordance with J.N.C. Scales. Hospital experience not essential. Application, with full particulars, to The Secretary, Mid Herts Group Hospital, Management Committee, Osterhills Hospital, Normandy Rd., St. Albans.

**NEASDEN HOSPITAL, BRENTFIELD
ROAD, N.W.10**

LOCUM for Chief Pharmacist with one assistant for two periods: June 13-25, and August 29-September 10, 1949, for Neasden Hospital and the Maternity Hospital, Kingsbury. Accommodation and meals available if required. Salary, 10 gns. p.w. Applications to Assistant Secretary, Neasden Hospital.

**NORTH WALES HOSPITAL FOR
NERVOUS AND MENTAL DISORDER
DENBIGH.**

DISPENSING ASSISTANT required hold the certificate of the Society of Apothecaries. Salary £270 x 5 yearly increments of £10 £320, thereafter a £10 increment every year to a maximum of £350.* The post subject to the provisions of the National Health Service (Superannuation) Regulations, 1947.

Applications accompanied by two recent testimonials to the Medical Superintendent.

*Accommodation available for single women.
S. L. FROST,
Secretary to the Management Committee
16/3/49. Mental Hospital, Denbigh.

**QUEEN MARY'S HOSPITAL FOR TUBERCULOSIS,
EAST END,
West Ham Group No. 9,
Stratford, London, E.15.**

(a) Applications are invited for the post of SENIOR ASSISTANT PHARMACIST. Salary in accordance with J.N.C. (Hospital Staffs) Scale, viz., £415, rising to £490 per annum by annual increments of £15. The post is subject to the provisions of the National Health Service (Superannuation) Regulations, 1947.

(b) Applications are invited for the post of ASSISTANT PHARMACIST. Commensurate salary depending on experience and in accordance with the J.N.C. (Hospital Staffs) Scale. Previous hospital experience not essential. Hours: 9 a.m. to 5 p.m.; Saturday, 9 a.m. to 1 p.m. No Sunday or late duties.

Applications, giving full details of qualifications and experience in respect of the two vacancies should be addressed to the Chief Pharmacist as soon as possible.

**THE ROYAL LONDON HOMOEOPATHIC
HOSPITAL**

DISPENSER. Lady (unqualified) required with good experience. Salary in accordance with Joint Negotiating Committee Scale. Applications, stating age and full particulars, to Pharmacy Committee, The Royal London Homoeopathic Hospital, Great Ormond St., London, W.C.1.

**WILTS COUNTY COUNCIL
SWINDON HEALTH CENTRE
APPOINTMENT OF DEPUTY CHIEF
PHARMACIST**

Applications are invited from qualified pharmacists for the appointment of Deputy Chief Pharmacist at the Swindon Health Centre. Candidates should have had not less than three years' hospital or Public Health experience after qualifying as a Pharmacist. Salary £425 per annum, rising by five annual increments of £20 to £525, plus one additional increment of £15 if specially recommended.

The appointment is superannuable subject to medical examination, and terminable by month's notice on either side.

Applications, stating age, qualifications, experience, and the names and addresses of two persons to whom reference can be made, should be forwarded to Dr. T. Ross, County Offices, Swindon, as soon as possible.

P. A. SELBORNE STRICKLAND,
Clerk of the County Council.

County Hall,
Trowbridge,
March, 1949.

Appointments—Continued

**WOOLWICH GROUP HOSPITAL
MANAGEMENT COMMITTEE**

OCUM PHARMACIST required at St. Nicholas Hospital, Plumstead, S.E.18. June 1st to July 2nd, Brook Hospital, Shooters Hill Rd., S.E.18, July 30th to August 13th. Salary £10 10s. per week plus meals on duty. Apply to Secretary, W.G.H.M.C., Memorial Hospital, Shooters Hill, S.E.18.

**WOOLWICH GROUP HOSPITAL
MANAGEMENT COMMITTEE**

Applications are invited for the post of First Assistant **PHARMACIST** at St. Nicholas Hospital, Plumstead (220 beds). Salary according J.N.C. (Hospital Staff) scale: £415 x £15 £490 p.a. Superannuation Scheme in force. Temporary accommodation can be provided if necessary.

Applications should be addressed to the undersigned as soon as possible and should be accompanied by copies of three recent testimonials.

J. I. COXON INCE,
Secretary, W.G.H.M.C.
Memorial Hospital,
Shooters Hill, S.E.18.

Vacancies advertised are restricted to persons or employments excepted from the provisions of the Control of Engagements Order, 1947.

SITUATIONS OPEN

Orders 8/6 (minimum) then 3d. per word. Box 2/-

RETAIL (HOME)

LARGE and progressive firm of dispensing chemists have vacancies for experienced branch pharmacists in the following areas: Perivale, Green, Harringay, Kingston. In each case the salary to be paid is well above the average, and self-contained living accommodation is available. Should you be interested, there-in this advertisement, kindly make application to the Managing Director, Box 6/19, when interview will be arranged to discuss full details.

STANT (man or woman) well experienced dispenser, for London, North or West branch. "A." Box 6/30.

STANT DISPENSER required for good-class pharmacy. No Sunday nor half-day duties. Permanent. Good salary. Apply J. Epton, 4 Gladstone Rd., Edgware Rd., N.W.2. Phone Gl. 5314.

ACTIVE salary, including commission, £700 annum, offered to experienced pharmacist to dispense business. Flat in Forest Hill available for suitable applicant. Apply Box 5/966.

INGHAM. Qualified manager required for first-class business. 6 p.m. closing with 7 p.m. Salary and commission. Full particulars, and free, to C. L. Highfield, Ltd., 431 Bearwood Smethwick, Staffs.

ITS THE CHEMISTS have vacancies in a number of districts for qualified assistants, male and female. (male) Central London £10 5s. to £11 5s. Metropolitan District £9 17s. 6d. to £10 17s. 6d. Provinces £9 10s. to £10 10s. (Female) Central London £9 15s. to £10 15s. Metropolitan District £9 6d. to £10 7s. 6d. Provinces £9 to £10, depending to age. Engagements are on a permanent basis with good prospects and eligibility for pension life assurance, etc. There are also a number of vacancies for unqualified assistants with sound pharmaceutical experience. Good remuneration on a view to permanency. Pension scheme, etc. Applications should be made to Retail Staff Department, Station St., Nottingham, stating age, experience and district preferred.

BRADFORD. Pharmacist for managerial supervision required by photographic chemists and apparatus dealers. Knowledge of photography useful but not essential. Unique opportunity for increasing experience. Good salary for suitable applicant. Box 6/55.

BRIGHTON. Chemist required to take charge of pharmacy opening shortly in busy part of town. Good basic salary and participation in profits. Possibility of flat over premises. All replies treated as strictly confidential. Full particulars to Box 6/6.

CHEMIST-OPTICIAN required. Superannuation scheme (with transfer clause). Good prospects and conditions. Apply to the Brightside and Carbrook Co-operative Chemist, Ltd., 32 Sycamore St., Sheffield, 1.

DURHAM CITY. Pharmacist required to manage retail department; a sound permanent position offered to capable person. Good hours. Holiday & Co., Ltd., Claypath Pharmacy, Durham City.

EAST SHEEN. Qualified manager required for busy dispensing business in East Sheen. Newly decorated flat available for suitable applicant. Good salary and commission. Apply Box 5/969.

EDINBURGH. Qualified pharmacist as manager of branch shop. Good dispensing business and excellent counter trade. Good basic salary plus share of profits to young man with initiative and ability. Assistance given in obtaining accommodation. Box 6/45.

EXCEPTIONAL OPPORTUNITY for experienced pharmacist to manage branch in Maida Vale. Salary, including commission, £650 p.a. Apply Box 5/939.

EXPERIENCED ASSISTANT required for pharmacy and photographic shop. City shop. Manchester. Good working conditions. Canteen. Box 6/47.

FLEET, HANTS. Assistant pharmacist or experienced unqualified assistant required; lady or gentleman; duties chiefly dispensing. W. L. Million, Ltd., 168 Fleet Road, Fleet, Hants.

HAMPSTEAD AREA. Qualified assistant (either sex) required for extensive high-class business; congenial position offering scope for advancement in return for industrious service; good commencing salary equivalent to present average managerial rate. All replies treated in strict confidence. Box 5/920.

HAMPSTEAD. Unqualified assistant (lady preferred but not essential) with dispensing experience required for extensive good-class pharmacy. Salary according to age and experience; congenial working conditions. All replies treated in strict confidence. Box 5/919.

LADY Pharmacist as Manager, ample dispensing, competent lady assistant employed on counter, and to assist. Hours 10 to 6, one or two mornings free, if desired. Short-term engagement for two or three weeks might be mutually convenient. E.17 district. Write, Chemist, 101 Cadogan Gardens, E.18.

LEICESTER. Qualified pharmacist as second of five dispensers in high-class dispensing business. Permanency and good prospects for suitable applicant. Youngs (Chemists), Ltd., 42 Belvoir St., Leicester.

MANAGER required for branch in East Sheen. Good salary and commission paid. Newly decorated flat available. Apply Box 5/938.

MAIDA VALE. Experienced pharmacist required to manage good-class dispensing business in Maida Vale. Salary, including commission, £650 per annum. Apply Box 5/970.

MIDDLESBROUGH CO-OPERATIVE SOCIETY, LTD., requires pharmacist, either sex, to manage branch shop. Good wages and conditions. Superannuation scheme. Permanent, progressive position. Living accommodation available. Applications to General Manager, Emporium, Middlesbrough.

Situations Open—Continued

MIDDLESEX. Qualified manager required for good middle-class pharmacy. Adequate staff. No half-day or Sunday duty. Good salary for the right man. Apply Harwood & Hall, 62 High St., Hampton Hill, (Mol. 139).

PERMANENCY. Qualified male assistant for high-class West End pharmacy. Easy hours, free weekends. Personal interview preferred. D. R. Harris & Co., The Queen's Chemists, 27 St. James St., S.W.1.

PHARMACIST (man or woman), take charge London branch, Lambeth area. Good salary and living accommodation. Apply "J," Box 6/29.

PHARMACIST required as manager of branch shop in the West End of London. Good salary. Position permanent and progressive. Small dispensing. Hours 9 to 6. Write Box 5/934.

PRESTON. Wanted. Qualified manager. Good basic salary and bonus. H. Fletcher, 27 Meadow St., Preston.

QUALIFIED ASSISTANT required for city shop, Manchester, preferably with interest in photography. Good working conditions. No extra duties. Canteen. Box 6/46.

QUALIFIED ASSISTANT required for dispensing. Good salary offered. Comfortable berth for the right man. Apply A. Wainstead, 167 London Rd., Mitcham. Telephone Mit. 0886.

QUALIFIED ASSISTANT, male or female, for central drug department. Dispensing with supervisory and staff control duties during absence of superintendent. Rota duties shared. Hours: 9 a.m. to 6 p.m. Half-day: 1 p.m. State salary required. Ample dispensing assistants. Apply: Co-operative Society, Ltd., Ashton-under-Lyne.

QUALIFIED MANAGER required to take full charge of busy pharmacy in South-West London. Rooms over being redecorated throughout. Plenty of scope for man with good personality and experience. Every assistance given. Goldthorpes (Chemists), Ltd., 312 London Rd., North Cheam, Surrey. Derwent 2804.

QUALIFIED MANAGER required for pleasant town in Yorkshire with house. Good salary and annual bonus. This position will appeal to a young, energetic pharmacist who will appreciate happy conditions and consideration. Apply Box 6/32.

QUEENSBURY. Pharmacist manager required for good-class business. Must be able to develop dispensing department. Good salary, plus commission, with semi-detached house, available to suitable applicant. Apply Box 5/967.

REQUIRED, QUALIFIED MEN or women capable of managing chemist business to join company as directors. Knowledge of available businesses for sale will be an advantage. Box 5/979.

RICKMANSWORTH. Pharmacist manager required for good-class business. Must be able to develop dispensing department. Good salary, plus commission, with semi-detached house, available to suitable applicant. Apply Box 5/968.

SOUTH DEVON. Assistant for all duties in good-class pharmacy in market town. Young lady with some experience in dispensing anxious to increase her knowledge preferred. Applications with as full details in first letter, please, to Manageress, 18 Queen St., Newton Abbot.

STOCKPORT. A qualified assistant is required for the central pharmacy department. The position is permanent, progressive and superannuated. Apply, stating age, particulars of experience, and wage, to The Secretary, Stockport I. & E. Co-operative Society, Ltd., 27-39 Chesterate, Stockport.

UNQUALIFIED ASSISTANT required for good family business in pleasant busy market town in Cornwall. Good situation for suitable applicant. Apply Shuker & Reed, Ltd., Church St., Launceston.

THE ROYAL ARSENAL CO-OPERATIVE CHEMISTS LTD., has vacancies in south-east and south-districts of London for qualified pharmacy managers. Salary, based on sales, ranging from £255 to £650 per annum, plus commission. Assistance be given in obtaining suitable accommodation. Permanent progressive positions. Superannuation scheme in operation. Applications, stating age, experience, to the Staff Manager, 113 Powis Woolwich, S.E.18.

UNQUALIFIED DISPENSING ASSISTANT required for old-established business. Permanent position. Male or female. Duties mainly dispensing occasional counter work. Apply, giving full particulars, and stating salary required, to Secretary D. L. Lewis, Ltd., 36 Haven Green, Ealing.

UNQUALIFIED dispensing assistants required immediately for busy dispensing branches at Farnham and Aldershot. These vacancies offer excellent opportunities to dispensers contemplating qualification. Good salaries and commission. Full particulars to Mr. W. J. Berry, Timothy White Tailors, Ltd., 70 Vauxhall Bridge Rd., S.W.1.

WANTED. Qualified Pharmacy Branch Manager. Good wages; Superannuation scheme; house available. Apply General Manager, Co-operative Society, Ltd., Long Eaton.

WANTED. Qualified manager for important branch. Good living accommodation. Salary £10 weekly. Apply G. W. Hales, 1 Tacket St., Ipswich.

48 WEEKLY offered unqualified assistant (both sexes) for working- and middle-class business over five minutes Waterloo Station, London, S.E.1. Wait, if necessary, for suitable applicant, in confidence to Box 5/898.

LOCUMS WANTED

LOCUM, QUALIFIED, required for city shop, Chester. Early June or possibly other dates suitable. Box 6/48.

QUALIFIED HOLIDAY RELIEF required to full charge of branches in London and the Counties. Good salary and expenses paid. Long or short periods. Please give full details. Goldthorpes (Chemists), Ltd., 312 London North Cheam, Surrey. Derwent 2804.

QUALIFIED LOCUM wanted for five weeks commencing August 8. No Sunday or half-day duty. Bentley, 85 Kirkgate, Leeds, 2.

UNQUALIFIED LOCUM (lady or gentleman) required for two weeks to superintendent in high drug stores, June 27 to July 9 inclusive. 2 giving references, and stating salary asked. Marshall, 309 Lincoln Rd., Peterborough.

WHOLESALE

A PROMINENT HOUSE manufacturing products outstanding quality and presentation in quick summer demand require keen top grade representatives (sole agencies considered) with initiative ability to develop existing connections. (1) London, North of Thames and Essex. (2) London, of Thames and Surrey. (3) South Wales and Counties. (4) Oxford, Bucks, Herts, Beds, and Middlesex. Applicants must be energetic, ambitious, with above average selling ability at least 10 years' connection on the area, represent reputable house. Car an immediate advantage. Positions offer real scope, generous remuneration with complete backing. Please write very full confidence, to Sales Director, Box 6/25.

BOX 5/645, FEB. 5 ISSUE. The advertisers of this Box No. thank the numerous applicants for their offers of service. Owing to the very number of replies received they find it impossible to acknowledge applications individually. Will who have not received replies please accept intimation that the position has now been

Situations Open—Continued

REPRESENTATIVE

experienced, required for Home Counties by House marketing established and nationally advertised Medicinal and Toilet Preparations with large sale. Applicants should be experienced, aged between thirty and forty, possess initiative and the ability to maintain and develop goodwill. A splendid opportunity with excellent prospects for the right man. Apply, giving age, details of past experience and any relevant details to: **BOX 6/43.**

VACANCY will shortly arise for a medical representative for Cheshire and N. Wales on the staff Pharmaceutical Specialities (May & Baker), Ltd. Candidates should be preferably qualified pharmacists, age 28-35 years; some hospital training would be considered an asset. The appointment will carry basic salary, commission and business expenses; is a contributory pension fund. Apply, giving full details and enclosing photograph (which be returned) to the Personnel Officer, May & Baker, Ltd., Dagenham, Essex. Please quote reference No. 2659.

VACANCY OCCURS in the pharmaceutical department of a modern factory in Hazel Grove for young pharmacist interested in pharmaceutical work. Manufacturing experience not required. Applications to be addressed to: Chief Processing Pharmacist, British Schering Manufacturing Laboratories, Ltd., Macclesfield Rd., Hazel Grove, Cheshire.

CLERK OF FARRINGTON ST. (Just by Ludlow Circus and Fleet St.). Young male and female wanted for interesting work as telephone order clerk, order copyists and stock assistants, with pay and good chances of promotion. 4½-hour day; every other Saturday off. Phone, write or The Secretary, Tel. Central 4060. (Vernon Porter, Managing Director, Barclay & Sons, Ltd., 100, Farringdon St., London, E.C.1.)

LABORATORIES, LTD., Horsham, Sussex, require young, energetic pharmacist for junior administrative position in sales department. Apply, giving age, qualifications, experience and salary.

WATCH CLERK, one used to checking and packing required by City wholesale house. Write, giving details of experience and age, to Box 6/23.

LILLY AND COMPANY, LTD. Medical representatives. Vacancies exist for medical representatives in the following areas: (a) South-east Scotland with headquarters in Edinburgh; (b) North London. Applications for these positions are in from registered pharmacists under 35 years of age. Previous representative experience is not essential. Send full particulars to Eli Lilly and Company, Ltd., Basingstoke, Hants.

EXCELLENT SCOPE for a first-class representative held by old-established London manufacturers of perfumery and toilet preparations. Territory comprises: South Wales, Cornwall, Devon, Somerset, Dorset, Wiltshire, Gloucestershire, Herefordshire. Applicants should have experience of, be car owner, and conveniently resident in W. or S. Liberal salary, expenses, car allowance. 5/11.

WRAPING AND LABELLING DEPT. Capable young (or woman) required to take charge of small important dept. Apply, giving full details of experience, and salary required. Southon Laboratories, Ltd., 84-88 Upper Richmond Rd., W.15.

FLETCHER, FLETCHER & CO., LTD., Vibrona Laboratories, London, N.7, require the services of a qualified works chemist (Pharmaceutical). Progressive and permanent position for a man with energy and initiative. Vacancies also occur for medical representatives, not necessarily qualified, for Midlands and Northern England. For all appointments apply in first instance, in writing, stating age, salary required and details of past experience, which will be treated in confidence.

LADY COSTING AND INDEX CLERK required, one used to West End stores. Good salary. Apply to The Pharmaceutical Department, John Bell & Croyden, 50 Wigmore St., W.1.

MANCHESTER MANUFACTURING CHEMISTS require clerk for drug department. Previous experience in drug trade essential. State age, experience and wage required. Box 6/40.

MANCHESTER MANUFACTURING CHEMISTS require foreman for manufacturing; also man for drug room order assembly. Previous experience in drug trade essential. State age, experience and wage required. Box 6/39.

MEDICAL REPRESENTATIVES for propaganda and sales to doctors, retail/manufacturing chemists, hospitals, required by manufacturers of ethical products in: (a) Hampshire, Dorset, Devon, Wiltshire. (b) Nottingham, Leicester, Stafford, Shropshire. (c) Edinburgh, North-east Scotland. Car an advantage; must reside in territory. Full particulars of age, experience, salary required, to Box 5/958.

OLD-ESTABLISHED manufacturing and distributing chemists require a representative domiciled in Birmingham. Write, stating age and brief resumé of career. Salary, commission and expenses. Box 6/58.

PHARMACIST with good knowledge of manufacturing required by City firm for their laboratory and to assist in the retail. Write, giving particulars of experience, and salary required, to Box 6/21.

PHARMACEUTICAL HOUSE of high repute requires the services of a man accustomed to directing and controlling representatives calling upon the medical and dental professions. Apply, stating age, experience, and salary required, to Box 6/2.

PILL AND TABLET COATER. Experienced in all grades of work is required by manufacturing chemists London area, working 5-day week. Excellent opportunity for suitable applicant. Write, giving age, experience and salary required, to Box 6/38.

QUALIFIED CHEMIST required for analytical department of N.W. pharmaceutical house. Salary according to qualifications and experience. Apply Box No. 3762, T. G. Scott & Son, Ltd., Talbot House, 9 Arundel St., Strand, W.C.2.

REPRESENTATIVE with connections in chemists, opticians and stores trade required for London area by old-established wholesale firm, to sell nationally advertised product. Salary, expenses and commission. Write, stating age and full particulars of sales experience, to Box 6/35.

REPRESENTATIVE. Must be qualified, required by Hirst Brooke & Hirst, Ltd., to take over and develop a soundly established connection with retail chemists in South Scotland, Westmorland and Cumberland. Reply in strict confidence to Managing Director, Sheepscar Works, Leeds, 7.

REPRESENTATIVES calling on retail trade required by vacuum flask manufacturer in the following areas: Northern Ireland, Scotland, N.E. England, N.W. England, Midlands and Eastern Counties. Remuneration on a commission basis. Box 5/983.

REPRESENTATIVES required. Connection chemists and hairdressers essential. 20 per cent. commission. Samples surgical goods easily carried. Large weekly cheques assured. Apply: Chemist Sundries Corp., Ltd., 94 Aldersgate St., London, E.C.1.

Situations Open—Continued

REPRESENTATIVES required with good connections among chemists, stores, etc., in the following areas, Kent, Wiltshire, Somerset, Dorset, Devon and Cornwall, to carry a line which will be the most sensational seller of this year. Other lines carried not objected to. Write for particulars, stating experience and area covered, to Box 6/67.

REPRESENTATIVES required for Scotland and the North of England, also London, Surrey, Devon and Cornwall, to detail medical and dental professions. Must have had similar experience with reputable houses. Apply, stating age, experience, and salary required, to Box 6/1.

SALES MANAGER required in London by an established firm of Manufacturing Chemists. The appointment offers exceptional prospects to an applicant experienced in up-to-date selling methods and who is able to control representatives with energy and ability. The post is permanent and progressive, and a good salary will be paid to the right man. Please apply in strictest confidence giving full details of past experience and age, etc. to Box 5/612.

SUPERVISOR in manufacturing department required by pharmaceutical house. Apply, stating age, experience, and salary required, to Box 6/3.

TABLET COATER required by North London firm of manufacturing chemists working 5-day week. Write, stating age, experience, and wage required, Box 6/57.

TABLET MAKER. An old-established manufacturing house (N.W. area) have an opening for a competent man thoroughly experienced in all phases of tablet production. Write, stating age, salary required, together with outline of career, to Box 6/37.

TABLET MAKER, coater, required for part-time experimental work. Considerable experience necessary. London S.W. area. Evening times arranged to suit applicant if already engaged. Box 6/5.

THE CROOKES LABORATORIES, LTD., have a vacancy in their manufacturing department for a pharmacist. Knowledge of ampoules an advantage. Reply, stating age, experience and salary required, to the Works Manager, Gorst Rd., Park Royal, London, N.W.10.

WANTED by large manufacturing chemists in the London area, tablet machine operators experienced in the use of single-punch and rotary machines. Apply, stating age, experience, and wages required, to Box 6/53.

WARD, BLENKINSOP & CO., LTD., require medical representatives for (1) Warwickshire and Staffordshire; and (2) Bristol and South Wales. Applicants with previous representative experience in these areas, coupled with a sound knowledge of modern therapeutics, should send full particulars to Manager, Medical Products, Dept. 6 Henrietta Pl., London, W.1.

YOUNG LADY required by small but well-established London firm of manufacturing chemists close King's Cross, to supervise manufacture of medical preparations. Write giving particulars of age, experience, training and salary required. Box 5/964.

WHOLESALE (OVERSEAS)

INDIA. An executive with administrative and ing ability is required as assistant to our Bom manager. Position is permanent and progressive. Applicants should be single, under 30, and mally fit. A knowledge of surgical and pharmaceuticals an advantage, but we are prepared give adequate training to successful candidates not already in possession of these qualifications. Applications in writing, giving details of age, cation, war service and business experience, sh be addressed to Personnel Manager, Allen & I burys, Ltd., Bethnal Green, E.2.

REPRESENTATIVES are required for West In Malaya and Ceylon. Positions are progressive offer interesting career to young men of more average ability. Adequate remuneration is off and the posts are pensionable. Candidates sh have a pharmaceutical qualification and be pared to undergo a course of instruction to them for selling surgical goods. Application writing, giving details of age, education, quation, war service and business experience, sh be addressed to Personnel Manager, Allen & I burys, Ltd., Bethnal Green, E.2.

SITUATIONS WANTED

18 words 3/- (minimum) then 1d. per word. Box

RETAIL (HOME)

GLASGOW. Pharmacist available two days we Monday-Tuesday one week, Thursday-Friday o week. Box 6/26.

QUALIFIED DISPENSER, requires post. Cen Met, and Bakerloo convenient. Gregory, Norfolk Square, London, W.2.

LOCUMS SEEKING ENGAGEMENTS

UNQUALIFIED, experienced dispenser, diseng seeks locum or permanent position, retail or pital, Bournemouth or New Forest area. Box

WHOLESALE

ATTENTION, MANAGING DIRECTORS. manager requires progressive position. 15 experience in the pharmaceutical trade (patories, cosmetics, etc.). First-class sales orga and excellent connections with leading buyers. 6/64.

B.Sc., EIRE, wishes to act as technical representative. Car, office, 'phone. Box 520, Eason's vertising Service, Dublin.

CHEMIST, M.P.S. (Eire) (30), seeks appointment abroad as representative. Experienced detailing first-class American firm. Box 6/4.

EXPORT MANAGER (36), A.M.I.Ex., exc education and record, 13 years executive (and export) with leading manufacturers of preparations, seeks re-engagement. Used to level negotiating, full control, home and ovel travel; able correspondent, organiser and sales moter; good health, appearance and person Box 6/62.

FIRST-RATE sales promotion executive, with seeks travelling post with exporters. Wide atising, sales organising and writing experience. Would work in office for period, at lower s to learn selling lines. Box 5/949.

GENTLEMAN, age 40, 23 years' all-round e nce of the pharmaceutical trade, very sound perience in sales and factory control and g management, seeks good executive position reputable firm. Box 5/987.

REPRESENTATIVE, 31, with well-known pary, desires change. Excellent connection re chemists, Co-ops., all wholesale trades, Terr Sussex. Own car. Remuneration by salary, mission and expenses. Box 6/63.

AGENCIES

words 17/6 (minimum) then 4d. per word. Box 2/-

MISSION AGENTS required for all areas calling on chemists, stores, hairdressers, etc., to offer new attractive line. Repeat business assured. Every woman a potential buyer. Other products available to successful applicants. Write, giving full particulars, to Box 6/56.

MANUFACTURERS' Agents Association (C. & D.), Bream's Bldgs., E.C.4, supplies free lists of agents to manufacturers seeking representation in important centres. Membership available to established agents.

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